

VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

JULY 1976

BICENTENNIAL ISSUE



ANNUAL CONVENTION

publishers' notes...

WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA

VUD CHANGES FACE (AGAIN)...With this, our "red, white, and blue" Bicentennial Issue (and the largest VUD ever published, with the equivalent of 72 pages), the VHF-UHF Digest once again changes its cover format. Member criticisms about the design instituted three months ago prompted us to contact member Harry Hayes, who provided the format shown on this month's cover. Your editor, who designed the previous format, feels the new cover design is an improvement, and will probably represent the VUD for many months to come. As always, your comments about any facet of the VUD are welcomed and are greatly appreciated...As our nation celebrates its 200th birthday, the time seems appropriate for WTFDA to reflect on its history also. John Zondio presents a complete and concise bulletin-by-bulletin account of WTFDA's past, commencing on page 25.

CONVENTION '76...This year's gathering will undoubtedly be the largest in WTFDA's history. Virtually the entire VUD editorial and publishing staff plans to attend, including your editor and many prominent DXers! Convention host Morrie Goldman has the complete details on this year's festivities, beginning on page 6 this month. A registration form can be found in the center of the issue. To avoid damage to the form or magazine, gently bend the ends of both staples upward and lift the form from the center of the VUD. If not planning to attend, you may wish to leave the form in place, to preserve the integrity of our red, white, and blue VUD edition.

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VUD INSERTS: Reprint Service Catalogue, WTFDA Member Questionnaire, Convention Registration Form

SUPPORT YOUR CLUB!

by Clarke W. Ingram, Editor-In Chief, VHF-UHF Digest

WTFDA is beginning to recover from the most serious slump in its history, but its impact is still felt, and the long, hard road back is far from over. Throughout this "recession," it has been emphasized that increased member participation in club affairs was necessary for WTFDA's total recovery. In the hopes of awakening some inactive WTFDA members who could (and should!) be contributing to the club, we are editorializing for two pages this month on the theme "SUPPORT YOUR CLUB!" Below are numerous ways in which you can help WTFDA become a better organization, some of which you may never have even considered. Carefully scrutinize the opportunities below, and see how many you've already become involved with. Then, take the time to become involved with the others!

REPORT YOUR DX.....All too many members seem to feel that their DX is of no importance to the rest of the membership. Nothing could be further from the truth! The fact is that many WTFDA members joined our organization to compare their results with the accomplishments of others. This they cannot do without your help! Reporting your DX catches each month to the proper column editors will aid other members, perhaps even to the point of IDing new loggings, and will present a more accurate representation of the WTFDA membership to VUD readers and others. We realize that much illogic has been perpetrated in the allocation of reporting areas, and that the editor situation is in an almost constant state of flux, but please bear with us until these matters are resolved at the WTFDA Convention. If you hesitate to report your DX due to a lack of experience, keep in mind that when most of us joined WTFDA, we had never heard of "E-skip," "tropo," and other DX propagations as such!

BUY WTFDA SUPPLIES.....Here's one way in which you can help Headquarters economize on operating costs, which have increased tremendously in recent years. All club supplies, listed on the back cover of each VUD issue, are reasonably priced and enable the club to make a small profit while selling you quality merchandise. Some of the supplies and literature, such as the TV Station Guide and UHF Translator Guide, are invaluable aids to DXing, and cannot be found elsewhere. In addition to the supplies listed on the back cover, the USA Test Pattern Guide (see below) will be available in early 1977. Invest in your club's supplies today!

PURCHASE REPRINTS.....Recently, because of member demand, the WTFDA Reprint Service began operation. As a WTFDA member, you now have access to over 180 pages of technical and informative material which has appeared in the VUD since May 1972. Now is your chance to improve your DXing knowledge and techniques by obtaining reprints of these articles! Club profit on these reprints is far from great, but it will make the difference in keeping our membership rates at a reasonable level. A complete WTFDA Reprint Service Catalogue is included in this month's VUD; take advantage of it! (Articles appearing in mimeographed VUDs from 1968 to early 1972 are not available; but until these features are indexed and catalogued, we will continue to bring updated versions to you in the VUD.)

RECRUIT NEW MEMBERS.....This may be the most important suggestion of all. WTFDA lost a substantial number of members during its period of difficulty, and these members must be replaced if our club is to continue at its level of excellence. Discuss WTFDA with your friends, neighbors, or relatives, and perhaps show them a sample VHF-UHF Digest. If they show an interest, ask them about equipment, their specific DX interests, etc. If, after all this, they still seem sold on WTFDA, give them Headquarters' address, and HQ will send out a membership application. In fact, it might not be a bad idea to write HQ for a supply of membership brochures before you begin your campaign. You might even consider going straight to the doors of any near neighbors with elaborate antenna installations!

MEET COLUMN DEADLINES.... Most DX and feature columns in the VUD have their deadlines around the 10th of each month. You can help to make the workload of your editors much easier by mailing your reports, totals or photos early. This gives each editor time to properly organize his material before typing the column, which must be mailed to reach this writer by the 20th of each month. If your contributions are late, the editor's column is typed late, then is mailed to me late, making the VUD paste-up late, which causes the VUD to be printed late, mailed late, and reaching you late! Thus, early reporting on your part benefits all WTFDAers by decreasing the time needed to place the VUD in your hands...help yourselves!

SEND IN TP PHOTOS.... If you haven't yet heard of our project to compile an all-inclusive USA Test Pattern Guide for publication, see elsewhere in this issue for details and a list of stations we do have, then find a camera and take pictures of the test patterns of any local stations that we don't have. By sending these to your editor at 5201 Colewood Drive, Pittsburgh PA 15236, you will be aiding the many TV-DXers who suffer through unending variations of test patterns. Instructions on how to photograph your TV screen can be found in Beyond Shortwave, and on page 29 of the August 1975 VUD. We will appreciate your help!

THINK OF IDEAS.... and don't keep them to yourself! WTFDA is in constant need of feature articles, equipment reviews, suggestions for improvement of the club and our magazine, and other such materials. So, if your creative juices have been flowing lately, drop a line to WTFDA Headquarters, PO Box 163, Deerfield IL 60015. After all, how do you think this writer and our column editors got started?

There you have just a few of the things you can do to help WTFDA become a better club. Remember, this club is nothing without you. Your support and participation is needed to keep our organization alive. So get moving!



Clarke W. Ingram
Editor-In-Chief, VUD

A NEW CUBAN TP

As the 1976 DX season reaches its midway point, it has already brought some memorable loggings to TV-DXers. Recently, your editor was the beneficiary of some well-placed E-skip, which netted a new station (ch 3 Holguin, CUBA) and revealed the existence of a new Cuban test pattern, reception of which is also noted in several of this month's TV DX columns and other reports.



At 1016 EDT on the morning of June 3, the existence of a new Cuban TP first made itself known to your editor. An opening to Florida and Cuba was in progress, with a number of Miami stations noted as well as the TP of the Instituto Cubano Radiodifusion (ICR) network (see August 1975 VUD for a photo of the TP.) As channel 3 was being monitored, a circular test pattern suddenly increased in presence to almost perfect quality for no more than ten seconds. Your editor had time for just two quick photos; one was far out of focus, the other is to the left. Its quality is somewhat inferior, but it is definitely

the test pattern of the TELE-REBELDE network of Oriente province, seen here on channel 3. "Tele Rebelde" is in both upper left and lower right, while the caption "Santiago de Cuba," I believe, is in lower left and upper right.

TEST PATTERN GUIDE 1976 REPORT

THINGS ARE
IMPROVING,
BUT VERY
SLOWLY...

by
Clarke
Ingram

In the August 1975 VUD, we detailed a new project concerning publication of a book containing information on station test patterns across North America. Since that time, many have inquired as to the status of the project, due to the lack of any notice in the VUD. Quite simply, the project is still alive, but it is doomed to extinction if membership contributions do not increase. Initially, response to our call for TP photos was excellent, but support has diminished recently, except for a number of loyal contributors who have been sending many TP pictures regularly. As the 1976 DX season commences, there have been additional photos sent in, but at far from the pace necessary to insure future publication of the TP Guide. We need your help to keep this valuable project viable in the coming months!

A few items have changed since the initial announcement of this project. We do not plan to include Canada or Mexico in the Guide, because of the almost constant state of TP change in those countries, and the incompleteness of most information. We will include Cuba, primarily because that country is known to use only two ID TPs. The United States will be our prime target, but at present we are in dire need of TPs from Western and UHF TV stations.

Below is a complete list of all the stations for which we presently have TP photos. If you can provide a picture for any station not listed below, I ask that you send it in immediately, in anticipation of an early-1977 publication date. Photos can be returned, but will probably be trimmed for the book. Most DXers have often complained about their DX-preventing local TV stations; here's a chance to utilize them for the betterment of the WTFDA!

2-KATU	3-WPSX	6-KRIS	8-WJW	11-WPLX	13-WSPD	22-WAPB	32-WKAB
KDKA	WRBL	WCIX	WOTV	WTOK	WTVT	WDAU	WLKY
KNXT	WSAZ	WDBO	WXEX	WTOL	WVEC	23-WAKR	33-WITF
KOTI	WSYR	WDSU	9-WAFB	WTTW	WZZM	WCEE	WRBT
KPRC	4-KAID	WJAC	WOR	WTVB	14-WMAW	WKAR	WYTV
KTCA	KARK	WJIM	WSOC	12-KFVS	15-KPOB	WLTW	34-WOSU
KTEW	KGBT	WPVI	WSTV	KODE	WHRO	WNJS	WTVX
WBRZ	KMOX	WRTV	WSWP	KPTV	WICD	24-KMJ	35-WSEE
WCBS	WBEN	WTEV	WTVV	KSAT	WMTV	WDHO	39-KHTV
WESH	WCCO	WTVN	WTVV	KTVH	WTAP	WJET	40-KDUB
WGBH	WFBC	7-KETV	10-KLVX	KTKS	16-WAPT	WVUU	KFPW
WGR	WHBF	KHQA	KOLR	WCTI	WNDU	25-WEHT	WCMC
WJBK	WJXT	KIRO	WCAU	WHYY	WQEX	WEYI	WXLT
WLBZ	WOAY	KLTU	WGEM	WICU	WUSI	WVIZ	41-WUNQ
WMAB	WRC	KMGH	WILX	WISN	17-WLRN	26-KYNE	42-WTVI
WMAR	WSM	KUED	WIS	WJRT	WNED	WETA	43-WUAB
WSB	WTAE	WCKT	WLCY	WJTV	WPHL	WEVU	44-WOUC
WTHS	WTMJ	WDBJ	WPLG	WTLV	WTVO	27-WSMW	WTOG
WTWO	WTTV	WHIO	WLSL	WWTB	18-WHIZ	WYAH	45-WBFF
3-KATC	WWJ	WKBW	WTAJ	13-KERA	WLEX	28-WBRE	WFCB
KENW	5-KALB	WLS	WWUP	KTRK	WMAV	WCPB	47-WTVP
KLEW	KHAS	WMAL	11-KMVT	WEAU	19-KEPR	WJSP	48-WCET
KTVO	KING	WSPA	KPLR	WHBQ	WUCM	WSJV	WKBS
KVDO	KRGV	WTRF	KTHV	WHO	20-WBBH	29-KIMA	50-WKBD
KYW	WABI	WXYZ	KTWU	WIBW	WCJB	WMAA	51-WKID
WBTU	WDTV	8-KESD	KXMD	WJZ	WDCA	WNTV	53-WPGH
WCAX	WEWS	KGW	WHAS	WLOS	WFYI	WTAF	54-WQLN
WCIA	WKRQ	KOLO	WIIC	WLOX	WOUB	30-KDNL	56-WLVI
WEAR	WNEM	KOMU	WINK	WLVA	WXON	KFSN	WTVS
WKYC	WOI	WCHS	WJHL	WNET	21-WFMJ	WGTE	62-WGPR
WKZO	WTTG	WFLA	WLJT	WOWK	WHA	31-WNYC	67-WMPB
WLBT	6-KOIN	WISH	WLUK	WQED	WHP	WWPB	*****

COME TO WTFDA'S BIGGEST CONVENTION!

CHICAGO
AUGUST
6-7-8



For the first time in our history, WTFDA's convention will be held in the world's convention capital-- Chicago. Convention host Morrie Goldman is planning a well rounded program with "something for everyone." There will be talks and demonstrations covering TV, FM and V-UHF public service band DX, and of course, plenty of time for old fashioned gab sessions.

For earlybirds, a tour of a Chicago TV station will be arranged for Friday afternoon. Friday evening activities will be informal and get in full swing at about 7 pm. The convention opening will include get-aquainted sessions, showing of members DX slides, films and tapes, and a possible equipment demonstration.

Saturday, the program starts at 9 am. Features will include a color videocassette recorder and camera demonstration by Gary Olson (of WTFDA and Panasonic). Gary will answer your questions and explain how a VCR can be used as a TV-DXers tool. Tentatively, another demonstration will feature the all new Tennesse MCP-1 microprocessor controlled scanning receiver. The MCP-1 features digital readout of frequencies in all three public service bands with frequency synthesis (no crystals required). There will also be several (member owned) FM tuners on hand for you to tune and compare.

FCC-FM News editor Bruce Elving will introduce you to the sport of DXing the SCA signals transmitted by many FM stations. Bruce will discuss what SCA is, how you can get started, and what equipment is necessary.

Dave Janowiak has prepared an interesting talk on antenna polarization and its effects on DX. Included will be such information as how polarization changes can help you reduce the effects of local signals and bring in DX signals. Other technical and non-technical talks are planned, but not yet finalized. We promise they'll be interesting!

Saturday evening, we'll have the traditional banquet and prize drawing. After dinner, the meeting room will again be open for gab sessions, use of equipment and other informal activities.

Sunday morning brings a continental breakfast and an open discussion about the club. This is the place to give your ideas life! There will also be some important announcements about WTFDA and its future.

Throughout the convention, we'll have free literature covering the newest in antennas, receivers, and accessories. The range will cover PSB receivers to FM and TV accessories. We also invite you to bring any excess small DX gear you might want to sell or swap (no antennas please!). This might be your chance to get a real buy on a preamp, trap or other accessory. You'll also be able to buy WTFDA supplies, including the popular WTFDA TV STATION GUIDE, Log Sheets, and other items.

There also may be a DX "game" of sorts...Clarke Ingram has promised to bring along his electronic TV tennis game, and proposes a "Tournament of Champions." Interested DXers would compete for a possible door prize in elimination matches. Details of this may be finalized at the Convention. Clarke will also be showing his collection of over 330 ID slides obtained from television stations.

If you've ever been to a WIFDA convention, you already know how enjoyable they can be. If this is your first, expect to meet a lot of friendly people ready to exchange thoughts on DXing and equipment. The formal program is only a small part of the story. You'll discover what techniques and gear others use and the kind of success they've had... even what equipment not to buy.

The convention will be held at Chicago's Rodeway Inn, a fine hotel, convenient to major interstate highways and O'Hare International Airport. The Inn will provide free transportation to and from O'Hare. We are also fortunate to qualify for a special convention room rate... \$18 per night, single or double. This rate is very attractive when compared with comparable hotels in the Chicago area. If you'd like to share a room with another DXer, you are encouraged to contact convention host Morrie Goldman as-soon-as-possible. To qualify for these low rates, you must stay at least two nights (Friday and Saturday) and advance register through Morrie Goldman. You can also take advantage of the reduced rates and stay longer to see the city. This is a great chance to combine a family vacation with a DX convention! The Rodeway Inn features a large outdoor pool and free first-run movies in all rooms. Special rooms are available with built-in sauna bath at \$4 additional per night.

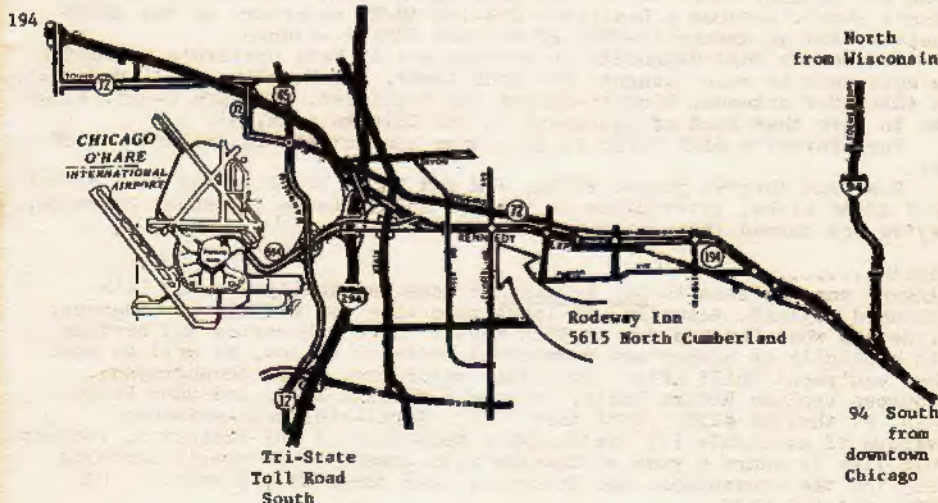
The Rodeway Inn is located at 5615 North Cumberland Avenue, Chicago 60631 (312) 693-5800. (Reservations should be placed through Morrie Goldman and not directly to the Inn.) The Rodeway Inn is clearly visible from hwy 194 at exit Cumberland Avenue South (see map).

If you're planning to bring your family, be sure to allow plenty of time to see the sights. Chicago is noted for having some of the finest museums and restaurants in the world. Other popular attractions include Sears Tower, the worlds tallest building; plays; the "Magnificent Mile" of Michigan Avenue, and much more. Marriotta new Great America amusement center is about an hour away.

The convention registration fee, covering all organizational expenses, refreshments, the Saturday night banquet, door prizes, and Sunday morning continental breakfast is \$14 advance (MUST be received before July 26, 1976) or \$15 at the convention. **WHETHER OR NOT YOU CHOOSE TO PAY YOUR REGISTRATION FEE IN ADVANCE, ADVANCE REGISTRATION (INCLUDING ROOM RESERVATIONS) IS NECESSARY.**

To register, or for additional information, write convention host: Morrie Goldman, 5815 North Christiana Avenue, Chicago, Illinois 60659. Phone: (312)583-2990. Please include a stamped-self-addressed-envelope.

North
from Wisconsin





WTFDA MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323
Deadline: 15th

Greetings. Plenty of new members, a lot of renewals, and a bunch of Tidbits this month, so here goes:

Randall B. Clark
George C. Greeley
Jon Hauko
Phil Hruskocy
James Lamb
Eldon S. Luoma
Dean Markoshan
Alan Mayer
Edward C. Smith, Jr.
Winston Smith
Jim + Karen Young

Rt. 5 - Dutch Ridge
Box 131
9323 Shore Road
610 Roosevelt Drive
Route 1
10653 137A St.
10636 Avenue B
3119 Western Ave.
119B Winrow, NBU 34D
4 Rifle Road
Box 576

Parkersburg, WV 26101
Florissant, CO 80816
Brooklyn, NY 11209
Whiting, IN 46394
Frankton, IN 46044
Vancouver, BC V3T 4J7
Chicago, IL 60617
Park Forest, IL 60466
Ft. Huachuca, AZ 85613
Kingston 2, Jamaica
Wrightwood, CA 92397

Rejoin: William H. Harrison-2124 Saranac St.-Adelphi, MD 20783

Renew: John Anderson, David Cox, Bob Curole, Doug Everitt, Ron Fenton, Vane Jones, Rolland Lindblade, R.W. Lord, Andrew Mahoney, Fred McCormack, Royal Randall, Dr. John Ray, Terry Robinson, Peter Skinner, Eric Strahan, Ralph Strobel, Martin Theil, Mel Wilson, Ron Wing.

Address Change: B.W. Battin-Box 1295-Rapid City, SD 57701

David Cox-2007 E. Brandywine Ct.-Birmingham, AL 35216

Ron Fenton-Box 4-Cabery, IL 60919

Daniel Flak-General Delivery-L.G. Hanscom AFB, MA 01730

Peter Skinner-24 Elbridge St.-Worcester, MA 01609

Brooklyn's JON HAUKO is primarily an FM DXer, using a Dynaco FM-5K receiver and a Finco FM5 antenna.

Pete Oprisko would like everyone to know that PHIL HRUSKOCY joined the club because of the article about Pete in the Hammond Compass. Phil is also a former classmate of VUD co-publisher Mike Hogan at Calumet College.

JAMES LAMB lives in an excellent area for DXing (I know, 'cause I lived out there). His DX gear at this time is a Bearcat 101 scanner.

After pondering for 3 years whether or not to join the club, ELDON LUOMA has finally taken the plunge into WTFDA. Also a member of IRCA, Eldon's shack features a Realistic CTR-18C AM/FM receiver, an RCA AM/FM receiver, and an Archer 15-8207 22 element VHF/FM antenna.

New member DEAN MARKOSHAN is another one of Pete Oprisko's recruits. His equipment is major league: 60' Rohn tower, Ham M rotor, CM 7' parabolic, RCA 4GB69 U-V antenna, Blonder-Tongue UHF amplifier, Winegard U-995. Almost have to have that kind of equipment in the Chicago area, hi.

Park Forest's ALAN MAYER is a systems analyst who is primarily a SW DXer.

Now that they've joined WTFDA, JIM and KAREN YOUNG belong to 6 out of the 7 ANARC clubs. After DXing on the BCB and SW bands for about 25 years, they've now turned their attention to FM-TV.

Tidbits.....

Anyone who has been to Don Erickson's home can easily see why it's nicknamed Toyland. Actually, it looks more like the Library of Congress, hi. Here's what Don has for us this month: "Free schematics and service data available on almost any commercial radio or TV set, as well as some other equipment built after 1946 (tape recorders, amps, phonographs). Resources include Riders Radio, volumes I through XXII, and Sams Photo-facts, #1 through #1552 (1946 thru 1976). Legal-size self-addressed envelope if available (if you'd like a photocopy of any schematic, etc.-jz). Would like to share a room at Chicago with someone, preferably arriving early for the Convention. Don Erickson, 6059 Essex St., Riverside, CA 92504. 714-687-5910

This note is from Doug Everitt (1708 W. Maine Ave., Enid, OK): "To help

finance my next antenna project, I'm putting some items up for sale. Would anyone be interested? The following are available: (1) Ancient 4 element channel 4 yagi, needs repair; (2) 10 element channel 9 yagi in very good condition; (3) 44 element UHF log in excellent condition; (4) All sorts of coax connectors. If you're interested, write me for free details. I'd also like to hear from any members interested in multi-mode receiving antennas."

Craig Simons (413 Ridelle Ave, Toronto, ON M6B 1K3) has some news for us: "I am a high school student aged 17, and began DX'ing television about 4 years ago quite by accident. I began to wonder why I was the only person able to pick up these weird stations. My question was finally answered by an excellent article on it in the Toronto Star a year or so ago. So far, I have viewed an infinite number of stations and have identified over 130 stations from Port Erie (his secondary location-jz) alone. My Port Erie QTH is far the best for DX'ing--but I am there the least often during the year. I have a Delhi VHF-UHF fringe model antenna up about 45 feet. It has a fantastic front-to-back ratio. I plan to upgrade the system with a parabolic for UHF tropo openings. Could you tell me why I can only receive Es propagation when my antenna is directed to a SW direction? I have tried every other direction--even 180 degrees off, but not even a hint of anything. (Can anyone help?-jz) (SW is propagated by F2 skip, which rarely hits TV. -CWI)

Newcomer Chris Corao (78 McAdam Ave., Toronto, ON M6A 1S7) has this item on the new CN tower (this was written before the stations started broadcasting from there-jz): CBLT (channel 5) will have an ERP of 84,000 watts. CFTO-TV (channel 9) will have a power of 325,000 watts. CICO-TV (channel 19) will go from its present 600,000 watt rating to 1,080,000 watts. CBLFT (channel 25) will go from 234,000 watts to 2,140,000 watts. Channel 79, CITY-TV, will go from an average of 36,000 watts to an average of 186,000 watts. On test runs from the CN tower, CBLT spills over rather strongly on channel 4. This would cause CCI with WBBN-TV/4 Buffalo, New York. Being 4-5 miles from the tower, I cannot estimate the CCI from CBLT's overload for others in southern Ontario. Speaking to a broadcast technician from the CBC, I have learned that if possible CCI occurs with the channel 5's in Bay City-Saginaw, Michigan, area, Cleveland, Ohio, and Syracuse, New York, a reduction in power or a change to a UHF channel for CBLT will take place. Similarly, if possible CCI between CFTO-TV and WNY5 of Syracuse, on channel 9, occurs, the CRTS will order a reduction in power or a change to a new spot on UHF is in store for CFTO-TV. CICO-TV-19, of Toronto, will also face similar changes if CCI with WUCM-TV Bay City, Michigan, occurs. If CCI between WEYI, Bay City, Michigan, and WVIZ, Cleveland, occurs with CBLFT on channel 25, a reduction in power or a change to a new UHF channel is likely also. Also, the tower is 1,815 feet above ground, and approximately 2,070 feet above sea level."

Pete Oprisko is searching for copies of the May thru December 1972 VUD's, and he's willing to pay \$2 apiece for them. If you're willing to sell, give him a call collect at (219) 659-2954. Pete is currently in the process of testing a \$1200 SAE Mark VI-B tuner against his Sony ST-5130.

According to Randy Dorman (8113 Spaulding Circle, Severn, MD 21144): Ever since I joined WTEFA I've had correspondence with many other TV DXers and I've enjoyed the hobby even more. I have been looking through magazines, newspapers, and many other publications for news that would be interesting to other TV DX'ers. No luck yet, but I'm still gonna look. Thanks for your time and help." (How about getting an article about yourself in your local paper, Randy? Newspapers are always looking for people with unusual hobbies, and what's more unusual than DXing, hi?-jz)

Muncie, Indiana, member Ralph Strobel is utterly frustrating to me. A music instructor at Ball State University, Ralph has managed to log 516 FM stations in 5 years with his AJ-1510 tuner and 60' Winegard antenna with rotor. Only wish I had that kind of equipment when I lived in Muncie; it has to be one of the best DX spots around.

ANARC's 1976 convention will be held July 23-25 in Los Angeles. For more information, contact D.C. Johnson at P.O. Box E, Elsinore, CA 92530.

Speaking of conventions, WTEFA's in Chicago promises to be one of the best ever. A registration blank is enclosed with this issue of the VUD. If you plan to attend, be sure to register as soon as possible. A number of fine presentations are planned, plus the usual convention gab sessions. Looks like the entire NW Indiana publishing crew will be there, and we all look forward to seeing you.....jz

New Stations Granted

AZ Prescott 98.3 3000 h.v.; 175' (reinstatement of 1974 grant)
CO Montrose 94.1 31000 h.v.; 1750' country
IN Batesville 103.9 3000 h.v.; 100' m
MS Batesville 95.9 3000 h.v.; 153'
MO Springfield K296AS 107.1 m (KRG 93.5 Greenfield MO translator) 10 m ant.
MT Missoula 93.3 45000 h.v.; 2480', rock; 55 miles primary (1 m/m); 103 miles secondary (50 m/m). Granted over the objections of KJRM "89.1 and KYSS-FM 94.9
NY Albuquerque "88.3 3360-397' gospel
NY Cortland "90.7 10w State U of NY
NC Salisbury "91.1 10w Catawba College
ND Bowman K249AG 97.7 Stereo, middle of the road and country music, 1 watt, DA, 200 degrees (translator of KMBD-FM 93.1 Sturgis SD).
ND Hettinger K249AH 97.78, 1 m, DA also 200 degrees (KMBD-FM 93.1 translator) mk.
PA Warminster "89.3 10 m Schools (Warminster is 12 km NE of Jenkintown and is best seen on New Jersey maps).
SD Coaster K280AI 103.98, 1 m, 0° (true North), DA (KRBH-FM 93.1), mk.
SD Eagle Butte K249AJ 97.78, 1 m, 270° mk
SD Hill City K280AJ 103.98, 1 m, 300° mk
SD Hot Springs K280AK 103.98 = 230° mk
SD Lomax K249AI 97.78 1 m, 110° mk
SD Phillip K249AK 97.78 1 m, 180° (South) mk
SD Spearfish K249AF 97.78 1 m, 270° mk
CONGRATULATIONS to KRBH-FM upon the grant of the above nine translators to help spread FM programming and reception through thinly-served FM areas of North and South Dakota. I am predicting that within 20 years the average commercial or educational FM station will have five FM translators each—and KRBH-FM is now well ahead of this projection with nine translators to its credit.
WA Tacoma K280AA 104.7 (KBIQ 105.3 Edmonds WA translator), middle of the road and classical music. [miles]
WY Riverton 93.5 3000 h.v.; 278' 14, 44/
VI Charlotte Amalie 101.1 50000 h.v.; 1500'; 48, 94 miles (primary-secondary)

Program Test Authority

(Presumed to be on the air)
AK Ketchikan KRBD "105.9 10 watts
CA Big Bear Lake KT01F-FM "101.7 90 watts horizontal and vertical, 1500' above average terrain; 14, 46 mi coverages.
FL Lakeland WCLF-FM "91.3 50000 h.v.; 330', Stereo, gospel; 28, 68 miles.
FL Tallahassee WQXD 103.1 3000 h.v.; 300' 55 miles primary; 46 mi secondary.
MN Thief River Falls KOSN-FM "99.3 1, m (easy listening), Mutual; B, 34 miles.
MS Pascagoula WGLD 105.3 3000 h.v.; 177', 12 miles primary; 39 miles secondary
NJ Blairstown WFW-FM "106.3 265 watts

horizontal and vertical, 177'; 12, 39 mi.
NJ Lawrence Township (Trenton) WLCR "89.7 10 watts. Applies for Talking Book SCA:
ND Grand Forks KF-M-FM "89.3 37500 h.v.; 275' classical, National Public Radio, Stereo, 25, 64 miles; on 6 am to 12:30 am.
OH Bellair "88.7 10 m [46 miles
OK Okmulgee MLLS 94.3 3000 h.v.; 300', 15/
TX Dallas KCBT "89.3 1500 h.v.; 660' 15, 45mi
TX Lampasas KLTG 99.3 3000 h.v.; 180'; 19, 64 kilometers primary and secondary.
TX Midland KMMJ 103.34 100000 h.v.; 922', 44, 90 miles primary and secondary.
VT Castleton WIVU "91.3 10 watts [60 miles
WA Spokane KICR 98.9 28000 h.v.; 285'; 23, /
WA Wenatchee KIAM-FM "104.9 105 h.v.; 1330', gospel; 15, 48 miles
WY Gillette KOLL-FM 93.5 3000 h.v.; 272', 14 miles primary; 44 miles secondary

On Air with Changes (Selected)

AL Jasper WWSB-FM 102.5 39000 h.v.; 140', 18, 56 miles
CA San Francisco KSAN-FM "94.9 30000 h.v.; 1210', 39, 82 miles
IN Greenfield WSLJ 99.5 50000 h.v.; 498', 91, 116 kilometers
MA Rochester WKKR 97.5 37800 h.v.; 620'; 33, 73 miles; KKKR reduced horizontal coverage, but added vertical polarization.
NE Lexington KRYM-FM 93.1 35000 horizontal 350'; 27, 65 miles. BACK ON AIR after a hiatus. [260'; 29, 73 miles; B.
SC Anderson WABS-FM 107.3 100000 h.v.; /

Facilities' Changes

AL Albertville WGSB 105.1 adds vertical
CA Los Angeles KOSG "91.5 10700 h.v.; 930' 31, 70 miles primary and secondary
CO Lakewood KXAK-FM 107.5 91000 h.v.; 670' reduces coverage to 39, 84 miles
CO Salida KVRN-FM 92.1 2350 h.v. (-1120')
CT Brookfield WINE-FM 95.1 50000 h.v.; 470'; 32, 72 miles
FL Panama City WRCG "90.7 9200; 270' (was 10 watts); 18, 53 miles.
GA Atlanta WRFG "89.3 adds vertical
IN Pendleton WEEW "91.7 = (10 m)
IA Davenport KLIK 103.7 FCC was release says vertical, but FCC could be in error as previous reports about KLIK have made no reference to vertical.
MD Baltimore WLIF 101.9 13500 h.v. (960'); 33, 72 miles. Increasing power to maximum permitted under new FCC coverage curves; not within 250 mi of Canadian border or 199 miles of Mexican border, so WLIF's grant was expedited, unlike the case with stations in Boston and Chicago, as well as southern California.
MA Gloucester WYCA-FM "104.9 2250 (h only); 167'; 10, 37 miles; classical.
ME Crete KTAP 103.9 225' (3000 h.v)
NM Albuquerque KRG 97.9 77600 (h only)

-41', to be rock.
NC Shelby WQHS-FM 96.1 2600 h.v.; 440', 17, 50 miles. ON AIR with these facilities!
PA Bellwood WGHM 103.9 250 w.; 870' (presumably deleting v; recent construction permit rescinded).
TN Lenoir City WLL-FM 93.5 3000; 165'; 11, 38 miles
TN Nashville WZZZ 92.9 adds vertical
WA Olympia KADS "89.3 400 watts (h); (-14'); decreases coverage
WV Charleston WQBE "97.5 50000 h.v.; 500'; 33, 73 miles
WI Middleton-Wisconsin WMAJ-FM 106.3 1800 h.v.; 375'; 15, 46 miles

Formats/Networks

AL Birmingham WERC-FM 106.9 rock
CA Sacramento KWOJ 106.58, Delby, rock
CT Bridgeport WPKM "89.5 rock, jazz
CT Danbury WXCJ "91.7 rock
CT Hartford WRTC "89.3 ethnic, rock
CT Middletown WESU "88.1 UPI Audio
CT New London WCNJ "91.5 rock
IL Joliet WLLI 96.7 rock (was country) "Hit Parade"; S. [road was country]
IA Dubuque KINT 105.3 middle of the/
LA New Orleans WYLD-FM 98.5 gospel (was soul); drops Stereo.
WV-FM 101.9 middle of the road (free rock); apparently the rock programming was a source of embarrassment to Loyal U., much the same as WGB "90.1 Washington DC involved its parent institution—Georgetown U—in a controversy that took WGB off the air; however, WGB is slated to soon return to the air.
NE Portland WDCS 97.9 Am. Entertainment Network affiliate [was rock.
ND Cumberland WPMN 102.9 gospel, /
WA Boston WRB "91.7 rock-soul
WOP-FM 100.7 country; WBC (was rock)

MA Cambridge WTBS "88.1 no stereo
MA Framingham WOLM "91.3 rock
MA Franklin WGOA "91.3 rock
MA Haverhill WYVN "91.7 rock
MA Medford WML-FM 107.9 adds Delby
MA Milton WMLN "91.5 rock
MA North Adams WUMB-FM 100.1 AP Audio
MA Northampton WHP-FM 99.3 m
MA North Andover WNBC "90.5 rock
MA North Dartmouth WUSM "90.5 rock
MA Orleans WFLC-FM 104.7 AP Audio
MA Springfield WAIC "91.9 soul-rock
MA Tisbury WVOI 92.7 when last heard on 95.9 was country; still believed to be off the air due to finances.
MA Walpole WYNA "91.5 rock
MA Waltham WCRB 102.5 adds Delby
MA Weston WRSB "88.3 rock
TN Chattanooga WDEF-FM 92.3 m (not k)

MA Worcester WICH 90.5 classical, rock; \$
 "WICH 91.3 Spanish, rock
 MI Dearborn WNC-FM 100.3 Mutual news
 only after midnight; calls se f "FM-100."
 MI Detroit WCAR-FM 92.3 \$; m (not r)
 MN Grand Rapids KAZE 91.7 NPR; \$
 MS Hattiesburg WHSY-FM 104.5 m (from mr)
 MT Great Falls KMLN 94.5 ABC information
 (was ABC-FM); Stereo, rock.
 N. Cape May WRIO 102.3 mg (may be \$)
 N. East Orange WFML 91.1 prog. rock, jazz
 NJ Trenton WBJH 101.5 rock (from r-soul)
 NY Saratoga Springs WKAJ-FM 102.3 UP! Audio
 OK Henryetta KHEM-FM 99.5 drops Stereo, f
 PA Bethlehem WEVZ 95.1 rock
 PA Charleroi WNFV 90.3 ar
 PA Ellwood City WFEM 92.4 k (from m)
 PA Mercersburg WRCV 92.1 rock
 PA Scranton WGBI-FM 101.3 rock (was m)
 PA Warren WRRN 92.3 m and prog. rock
 RI Providence WDOH 92.3 rock
 RI Smithfield WJMF 91.5 rock
 SC Georgetown WGBM 97.7 rock (from m)
 VA Martinsville WMYA-FM 96.3 r & prog. r
 WV Keyser WMLP-FM 94.1 m (from country)
 WV St. Albans WKCF-FM 105.1 m (from ok); \$
 WI Wausau WFFC 95.5 ABC-FM [French
 NB Saint John CBZF 102.3 no Stereo; /
 NS Halifax CBN-FM 102.7 classical; \$
 Ont., Ottawa CBEY 105.3 kc; classical
 after midnight. Last-minute news:
 AZ Apache Junction KSTW 107.1 rock
 NY Seaboy KQGM 95.7 UP! Audio
 TX El Paso KAMA-FM 93.1 Spanish, rock; \$
 TX Lubbock KLSK-FM 94.5 heard with
 country (was middle of the road)
Dual-City Identification Granted
 MA Waltham WCRB 102.5 adds Boston

Stereo Stations, or to go Stereo

CA Bishop K100 100.7
 FL Crystal River WRVY 98.5, gospel
 GA Brunswick WSOB 100.7, m
 IA Clarinda 106.3, nk
 ME Scarborough WJBO-FM 106.3
 MA Pittsfield WQRB 105.5
 MA Taunton WRUM 93.3 rm, AP Audio
 MA Waltham WORS 91.7
 MN Minneapolis WCTS 100.3
 MS Clarksdale WJBI 101.7
 NH Manchester WGBR-FM 101.1
 NH Peterborough WSLF 92.1, despite all-
 news, NIS format, still carries true
 Stereo at various weekend times
 NJ South Orange WSOU 89.5, adds ABC
 Information network besides Stereo.
 NY New York WFUV 90.7; also adds
 ABC Entertainment network.
 TN Jackson WKIR 104.1, rock
 TX Victoria KCMV 95.1, rm
 VT Rutland WRUT 97.1 adds NBC, too.
 WI Kenosha WGTB 91.1, and middle/road.
 WI Menominee WYSS 90.7 and rock
 WI New Richmond WJRX-FM 107.1
SCA (67 kHz) Activities
 AL Selma W10M 100.1 music
 ID Pocatello KSNM-FM 93.7 adds SCA,
 content unknown
 LA Cedar Falls KXKE 89.5 telemetry only
 LA Franklin KFRM-FM 105.5 music
 LA Lafayette KPFL-FM 99.9 has SCA
 LA New Orleans WUEB 97.1 Physicians
 Radio Network
 OR Portland KQAP-FM 91.5 talking book
 RI-FM 95.5 no SCA heard; re-
 ceive listing. KPAM 97.1 music
 KQFM 100.3 music
 KQIN-FM 101.1 sports, talk
 TX Austin 102.3 telemetry only

TX Gatesville KXCS 98.3 telemetry only
 TN Fort Atkinson WFAH-FM 107.3 adds SCA
Call Letters Assigned or Changed

AR Warren 105.5 KURF-FM
 CA Hollister 93.5 KRIP
 DE Newark 91.3 WDEB
 FL Naples 92.1 WNTJ
 ID Boise 90.1 KRSU
 IL Decatur 95.1 WQZQ
 IN Chesterton 89.1 WOSO
 IN Fort Wayne 88.3 WJHI
 IA Fairfield 95.9 KBCI
 MI Novi 89.5 WQVI
 MS Coldwater 95.3 WYIM-FM
 NY Potsdam 99.3 WSNH (from WPOW-FM)
 NY Poughkeepsie 91.3 WYKR-FM
 NC Tarboro 104.3 WNTC (WCPB-FM)
 OR Portland and 97.1 KPAM-FM (from KPAM; no
 indication AM affiliate has changed to
 KPAM(AM); yet FCC now calls the FM station
 "KPAM-FM.")
 PA Huntingdon 106.3 WHLR (WHJH-FM)
 TX Austin 90.7 KFRN, g | JT Provo 96.1
 TX Austin 88.7 KAZI | KAYK-FM (KFWC)
 102.3 KMXK, Latin/telemetry SCA
 TX Dallas 100.3 KMEZ (KILC)
 VI Bennington 94.3 WHGC | W1 Maunton
 WA Richland 106.3 KXOD | 92.1 WRJC-FM

Deletion

SD Gregory 101.5 (reverts to application
 status)

Key to Symbols

* educational station. \$ stereo station
 h horizontal polarization; v vertical
 polarization; w watts (effective radiated
 power); ' height above average terrain.
 DA directional antenna
 c classical; k country; m middle of the
 road (easy-listening); r rock music.
 NPR National Public Radio. Coverages are
 calculated from the new FCC (F 50, 50)
 curves to the 1 mV/m primary and 50 mV/m
 secondary contours in miles or kilometers.

FM INDUSTRY NEWS AND READERS' REPORTS

In a move characterized for stupidity, the FCC is assigning
 92.1, a commercial channel, to Muncie IN for educational use by
 WBST. WBST is on 90.7 with 10 watts, but has long sought higher power and originally applied
 for 50 kw on 90.7. This application was opposed by WRTV (TV, channel 6) Indianapolis. Now,
 WBST must be content with 3 kw on a class A frequency, and to make matters worse, another
 company, Muncie Broadcasting Co., wants the 92.1 frequency for commercial use. So now the
 FCC is checking to see if 104.9 could be added to Muncie. It would make more sense to give WBST
 more power on 90.7, have WBST install filters on TV sets that might receive interference, and
 stop the invasion of commercial frequencies by educational stations.

All the Star stations have been ordered to cease operating by the FCC as of Sept. 2, 1976.
 Star FM stations are WIFE FM 107.9 Indianapolis and KEFM 96.1 Omaha. The FCC found "mis-
 conduct" against Star's chief owner, Don Burden, and the stations will be deleted unless the FCC
 reverses itself, or the matter is further delayed. Also soon up for grabs will be the frequencies
 that would be vacated if the FCC has its way and deletes KROQ-FM 106.7 Pasadena CA (and its AM
 adjunct) and WHBI 105.9 Newark NJ. WHBI is on the air; KROQ-FM has been silent since 7-29-74.
 And the FCC has set for hearing the application of WJAI 92.9 Eaton OH to increase to 50 kw at 500'
 and move to Brookville with its transmitter, 23 km NE of Eaton and in the direction of Dayton,
 where the application has been opposed by WTUE 104.7 and WDAO (FM) 107.7, both Dayton. If
 WJAI's application is not granted, the public will be the loser because this class C channel is not

W269AA - KEHL-FM's "stereo" - "Chicken Rock" defined? - Hertz to Hertz! - WUIS' spurious stereo

being efficiently utilized. Even though WJAI is owned by the licensee of WING (AM) Dayton, the main studio of WJAI would continue to be in Eaton, and a city grade signal would go to both Eaton and Dayton from the improved WJAI.

Cliff Denney of KNIS 94.7 Carson City NV, writing in the National Religious Broadcasters' magazine, claims there are some FM translators that are vertically-only polarized; I thought the FCC would frown on this, but the rules on translators seem vague on this point. Also, translators were supposed to be only on class A channels; yet KBIQ is allowed to build a translator on a class C channel, 104.7, in Tacoma WA (see two pages previously). If you travel through a translator-served area, try to note its polarization (h, v; or both) and let me know. I know W269AA 101.7 Grand Rapids MN is horizontal only, omnidirectional, using a 10-watt educational FM station-type antenna for transmission (W269AA is now rebroadcasting WGGR 105.1 Duluth now instead of KEZZ 94.3 Aitkin MN). KSJR *90.1 Collegeville MN now on with 100 kw h, v, 860'—and improved coverage.

In Minnesota, KDHL FM again reported in ersatz stereo—right channel dead and stereo light on. KDHL-FM has not been heard in true stereo since Christmas eve a couple of years ago. KDHL-FM is on 95.9 in Faribault MN. KAUS-FM 99.9 Austin MN reported to have difficulty maintaining a proper program level and elimination of the AM program from listening in during its late-night call-in program and on the Mutual News after 11 p. m. KSJM 93.3 Jamestown ND has apparently dropped its night rock program; now all middle of the road. WIGM-FM 99.3 Medford WI actually broadcasts from its branch studios in Abbotsford 11 am to noon M-F, excluding weekends and holidays. It uses studio-transmitter link KFK 710, 161.73 MHz.

A Michigan reader sent a copy of the Detroit FM Guide; it contained no Michigan address, only the FM Guide address in New York city, and he sent a very sketchy guide, called Radioland U.S.A. to help you as you drive listen to stations with wide coverage and your favorite formats; however, for Los Angeles it only lists KHJ 930; KMET 94.7; KLOS 95.5; KJAC 570, so you have an idea as to this guide's incompleteness. No indication who puts it out or where it can be obtained. Weather information billboards are going up along MI freeways. A picture of one of the green signs says "Weather info tune radio to 1250 1440 96.1 102.5" (obviously, in the Bay City area).

WVOI 92.7 Tisbury MA may soon come back on the air, with a sales contract imminent; it is Martha's Vineyard's only radio station. At least two reporters noted the error in a previous column when I accused WBFB 92.5 of being in Buffalo; of course, it is in Rochester NY. Two other readers say to stick to miles, and drop kilometers here and in the FM Atlas; doesn't the metric system have any friends here? Another does not like "megahertz"; "Hertz to Hertz". He was a dumkoff. He had not the foggiest what he had observed. "Speaking of errors, the Canadian Radio-Television Commission, in a June 1, 1976 news release still speaks of CJSB 94.3 Thunder Bay as CKPR-FM (its former call letters). Good that they're still not calling the city "Fort William."

The radio program formats I have used have been based on simplicity (keeping the number of categories small and distinct) and completeness. Any such system should be exhaustive and have categories that are mutually exclusive, thus my system differs from those employed in various segments of the FM and radio industries. One reader attempts to provide definitions for different types of radio programming, and here are some of his categories:

BEAUTIFUL MUSIC: Usually consists of 15-minute segments of easy-listening, beautiful sounds. About 2 to 5 minutes of news on the hour (alternate hours on some stations). A maximum of 2 or 3 commercials every 1 hour, often with weather on the 1-hour.

PROGRESSIVE ROCK: Rock music consisting of folk, hard rock and/or acid rock album cuts. Little, if any, news. Quite young announcers (often on first name only basis). Many stations quite liberal or slanted towards the left.

CHICKEN ROCK: Usually top-40 rock but seems to be catered towards the adult audience. No acid rock but much in the way of loud music.

BUBBLE GUM: Top 40 rock but catered almost entirely to teeny-boppers. Often featuring the "half-a-minute" mouths. Rushed programming and the "echo-chamber" newscasts. . . Average age of listener seems to be 17.

MIDDLE OF THE ROAD: Occasional top-40, some easy listening, oldies, much vocal. Usually a cool and calm and collected announcer. Commercials seemingly in batches of four after each song—fortunately confined to AM radio mostly. [I do not agree with these groupings, and prefer my own system which calls his "beautiful music" a (middle of the road); "progressive rock" a (although I am not sure the average age of proper live announcers would be younger or more liberal than for other rock announcers, it is mainly in the comparative freedom they have from management to express their opinions, "chicken rock" do not agree with this category at all, unless he is referring to a "Hit Parade"-type format, which categorize as fm or fm. Depending upon the station, his MOR would be listed as m or fm.]

WNIS 101.1 Chicago, like other NBC owned NIS stations and all news programming, keeps its \$tereo generator on, but is not true stereo. Apparently, they want to be heard on stereo-only receivers, but it is dishonest to operate this way when monophonic, and it makes for noisier reception when driving using a car radio with no stereo defeat switch.

An additional delay is announced in the publication of the FM Atlas 1976 (fourth edition). Because of delays and vacations at the Michigan printer's, the book might not be ready to mail out until July 15. I have been on the phone with the printer and am assured that the job will be run soon, but it is a much larger book than previously and probably takes more time to prepare the plates and to print. I appreciate the many advance orders that have come in on the basis of limited advance publicity. The new price will be \$2.95 per copy mailed "book rate"; \$3.50 by first class mail. (\$2.25 in quantity by "book rate.")

It is expected by late July the great change will take place in Buffalo NY where WREZ 94.5 becomes *WNED-FM (and WEBB[AM] becomes WNED-AM); the AM to feature noncommercial all-news; the FM to be classical, with stereo later added. A Buffalo observer notes the degree to which reception from Toronto FM stations has improved now that five of them are operating from the CN Tower, with most signals making it into Buffalo "like gang busters":

... I can hear CHL-FM 94.1 on a not-too-selective portable with a whip antenna under normal conditions now. When they operated from their old site with 55.7 kw from 385' AAT, it took a good, selective receiver with a yagi to get a decent signal from them. Now that they're up at 1380 AAT with lower ERP, they have no problem being heard here. ... CHL 98.1 also improved a bit—they've always given me the best reception of any Toronto FM. Now, however, they're on a par with CKRW 99.9, which is about the same as CHUM-FM 104.5. ... What surprises me the most is the fact that CHL-FM is making it in very well with its 4 kw. Of course, all the FMs on the CN Tower are at the 1838 AAT level, and that has to be the reason; but it's getting CHL-FM 100.7 excellently on a cheap portable, too! Of course, there's a negative side to this, too, since it's about 65 miles from the CN Tower site. One immediate effect has been an OLVU 99.9 Erie PA. ... CKRW captures the frequency even with the antenna pointed away from Toronto. Toronto FM programming is interesting. If you're looking for examples of totally mindless programming, you needn't look farther than the morning drive-time program that WYSL-FM 103.3 Buffalo came up with. It is aimed at the rapidly-growing ranks of OBers. It's enough to make any avid FM listener vomit! There's a lot of country music on the show, but the main criterion for selection of a song seems to be whatever semblance it might have to the "Convoy" hit of several months ago. But it's the OJ chatter that takes the prize for pure undiluted stupidity: "Callin' all OBers. ... you get the Y-103 WYSL Beatradio FM breakin' for ya and standin' by, come on. ... There are numerous giveaways during the show, mostly CB-related products, and when local OBers phone in, they're requested to give their "handles" instead of their names when they're won a prize. The show does seem to have a degree of popularity with OBers, but I frequently monitor the CB band, and I've heard local OBers putting the show down, too. [This show is probably a response to a fear that some broadcasters have that the CB fed is reducing listening to regular AM and FM radio, especially in cars, among those who have citizens-band sets.] Other articles from this same reporter, from the Toronto Star, note the large audience WBER-FM has in Toronto and the fact that WBER-FM gleans some \$250,000 worth of Canadian advertising. Its "Rock 102" aimed directly at 18 to 34-year-olds, in one year attracted an estimated 500,000 Canadian listeners a week. With no extra FM rock station in Toronto, Rock 102 is bound to do even better. Its steady diet of hit parade songs and lack of disc jockey chatter is an inexpensive and somewhat mindless format that could not be allowed here by the Canadian Radio-television and Telecommunications Commission (CRTC). ... Rock 102's penetration would be just another smart marketing move if it were not for the CRTC's decision, expected soon, on Toronto's new FM station. Of eight applicants (most for 99.1, although 97.3 and 107.1 are other Toronto-area frequencies opening up), two are for all-news format and two are for basically rock. "There are other applicants," says one radio industry source, "but it's really between all-news or rock. If it's all-news, the CRTC in effect will be giving part of the market to Rock 102 (WBER-FM). If the license goes to rock, then the present situation could change to Canada's benefit."

Also in Canada sees, CHL 98.1 Toronto is seeking an FM station to rebroadcast its programming into the Parry Sound-Huntsville area, north of Toronto. CHL is being opposed by CKAR Huntsville, with two sets of tapes played at the hearing in Ottawa. Scratchy tapes were presented by CHL to show how poor their signal was, while CKAR produced a tape that contained a clear, undistorted recording of signals obtained in Parry Sound from CHL's existing signal which originates from the new CN Tower in downtown Toronto. So tapes can be made to prove anything. ... Canada's Watergate?

The new community-access FM station in Madison WI, WORT*89.7 is notoriously poor in giving their proper identification, even on hourly breaks when the opportunity presents itself. A sleepy listener in Indiana monitored WORT on two successive nights after midnight for 4-5 hours before finding out for sure what station he was hearing. WLRB 92.7 Rehoboth Beach DE expects to be on the air soon (3, m). WBAL-FM 97.9 Baltimore, with NIS all news programming, ID's as "FM-98," except as required. Similarly, WMOD 98.7 Washington DC ID's as "FM-98," WKYS 93.9 Washington as "93-KYS" or "Disco Stereo," and WRHY 92.7 Starview PA as "FM 92" and "Starview Radio." WRHY stands for Radio Harrisburg-York. Starview is a small village between the two. OFF THE AIR: WMJS 92.7 Prince Frederick MD, while WGTB*90.1 Washington DC plans a soon return with a similar format (rock or progressive rock) without objectionable programs, such as for gays.

The FCC has delayed the date when AM-FM stations in cities over 100,000 must cut down on their duplicated programming to not more than 25%. The new date is May 1, 1977, instead of Jan. 1, 1977. On May 1, 1977, stations in cities over 25,000, but under 100,000, must program

separately 50% of the time, and after May 1, 1979, these stations, too, will only be able to legally duplicate 25% of the time. The law firm of Mallick & Bernston, in a recent client memorandum, said a new wrinkle is added in the nonduplication rule whereby if either the AM or FM is licensed to a city over 25,000 or 100,000 both stations are covered; formerly, some stations escaped the rule by virtue of one of the station's being licensed to a smaller city. The FCC's freeze on accepting new AM and FM station applications goes into effect June 30, and is supposed to continue until Dec. 31, 1976, unless extended, which is a good possibility. And the FCC has suspended until May 1, 1977 its terrain roughness factors in predicting FM coverage, with only the field strength charts such as in the FM Atlas called for in calculating coverage.

An article in the Oregon Daily Emerald speaks highly of KZEL 96.1 Eugene, a station "honored by Billboard magazine as the best progressive FM station in markets under a million, and as having the largest share of its market in the top 150 markets, is one of 300 successful progressive stations in the country and only one of eight that is still 'free-form'." The article pointed out KZEL's long history without success: "We had been listening to the station, Jay West [present owner of the station] recalls, 'and when it went off we asked about it at the station's only advertiser, a Texaco station in Glenwood that traded gas for ads.' West borrowed money from friends to buy a new tube and eventually acquired the station by trading a piece of land for it." Now, however, KZEL "has experienced an increasing number of ad sales, about half of which come from advertising agencies that may not know the young audience as well as KZEL. But the station is making money. 'Prosperity is new for us. We paid our dues. Gary used to work all night, six days a week for \$20. It took us a long time to get our act together and to gain acceptance with advertisers. We had to overcome some hostilities and biases. They didn't like us because we were hippies and college students. Most retailers in Eugene still don't listen to us.'" An illegal station in Eugene on 100.0, "KPOT," is supposed to be on 12 am to 6 am. The guy running it is working on getting enough resources to apply for a noncommercial station, but little does he know all the FM allocations are used up in Eugene. KJOK 100.5 Oklahoma City now duplicates KLPR (AM), has dropped stereo, has country music, and now gets out very poorly, compared to its former signal. Apparently, KJOK is (or was) having financial difficulties and KLPR will supply the adreals to perk up KJOK's signal and programming. KGOY 104.9 Bethany OK has been sold; to continue gospel programming, and plans for stereo have been announced. The station has never been stereo, despite previous listings of it as stereo.

Moneysworth recently ran an article, somewhat sensationally, about possible radiation hazards from radio and TV transmitters, particularly in major cities. An interesting quote, "Cross-over, which is the intermingling of signals from two or more transmitters in close proximity, can bring the radiation level even higher." FM DX listeners in major cities have long noticed the cross-modulation and overload that is caused by the combining of more than one FM signal, particularly from so-called TV and FM "antenna farms." Would it be better to scatter the transmitters, instead of cluster them? I am sure aviation interests would oppose scattered transmitter sites. KCRS FM 90.9 Enid is said to produce a bad SCA squeal on even the best FM tuners. The SCA of WLRH *89.3 Huntsville AL to be talking book for the blind, 18 hours per day, 7 days/week. WONO 107.9 not 24 hours; now 7 am to 3 am; hopes to be on higher power in July. Syracuse NY, cj. WRVO *89.9 Oswego NY expects to go up to 24000 h.v; 430' by July, also. "May 24, 1976, p. 1.

The FCC study to double the number of FM channels on the dial is assailed by a technician-reporter: This is sure a bunch of words, etc. that seems to be off-track from the real world conditions. So much is assumed—good receiving installations, no weather/signal variances, etc. Also that a good filter could be designed for 100 kHz spacing. The entire report is slanted too much to theoretical aspects, with no regard (as mentioned) to SCA problems associated with proposed spacings. One would think, with after 20+ years of SCA activity, some attempt would have been made by the authors to provide relevant data on spacings vs SCA problems.

CONTRIBUTORS THIS MONTH: Frank Aden, Jr., Bend OR; John Ebeling, Bloomington IN; Dave Cox, University AL; Mike Borner, Jr., Metairie LA; Danny Buntin, Stillwater OK; Albert B. Ellis, Brantford, Ont.; Doug Everett, Enid OK; Paul L. Gaines, Detroit MI; Bill Grant, Worcester MA; Edward M. Isotalo, Appleton WI; Fred McCormack, Fargo ND; Rod O'Connor, Southwest Harbor ME; Peter Ogrisio, Whiting IN; Allen Rockford, Syracuse NY; Michael D. Schwenfuss, Abbotsford BC; Reijo Silvenen, Rauma, Finland (who sent a newspaper clipping showing the Finnish FM networks, including the stereo stations and the Swedish-language FM stations of Finland); Andy Smith, Hyattsville MD; Bill Thompson, Buffalo NY; Paul Wardell, Portland OR; Steve West, Havertown PA; John Zondlo, Hammond IN. CONTRIBUTORS EAST MONTH: Aden, George L. Brooks, Jr., KCMF-FM Red Wing MN; Tom Cornell, Kokomo IN; Ron Conall, WRVM Suring WI; Wm. O. Wickerman, Williamsport PA; Everett Ebeling; Ted Fleischaker, Louisville KY; Bill Frahn, Boise ID; Gaines; Jack K. Lattemann, Phoenix AZ; Nick Lombardi, Atlanta GA; R. E. Lyons, Tampa FL; McCormack; Gary A. Olson, Oremfield IL; Arthur Yuolo, Jr., Ypsilanti MI. At deadline this month, Lombardi sends a tape confirming WDFW-FM's programming.

News of FM developments near you is welcomed, and will be shared with other readers of this column.

John F. 788

The C.N. Tower finally took to the air on May 31, 1976. After months of delays, most of the technical bugs were ironed out. They included improper wiring of emergency generators by building contractors, and some UHF antenna troubles. A contractual arrangement between broadcasters using the common facilities prohibited anyone from getting the "jump" on anyone else, and hence the "official" date was promoted as midnight or 0001 hrs EDT May 31st. In actuality, the FM stations began broadcasting from the Tower on May 25th, but did not promote the fact until "zero" hour on May 31st...this was designed to save embarrassment if the master FM antenna developed defects during the first few days of continuous broadcasting, though tests had run over several weeks. As of mid-June, only two television stations were running "full authorized" power: CBLT-5 and CITY-79. CFTO-9 plans to be up to full power late in June, while CBLT-25 and CICO-19 may not have all of the old and new equipment hooked up to the Tower until later this summer, possibly August or September. Ch. 25 is running about 500 kw rather than 2,140 kw, and Ch. 19 is running 98 kw rather than 1,080 kw!

THE RESULTS Surprisingly good! Ch. 25 is received on a 4-bay bow-tie at about 120 feet just off my balcony with a signal which varies greatly from hour to hour, and will usually lock in colour at minimum conditions. It is almost on a par with CKGN-22 Oxbridge, which is of course forty miles more distant, but CKGN runs ten times the power of CBLT (5 megawatts vs. 500 kw). On their old tower, CBLT was seldom seen here, about 110 miles from the respective transmitter sites. The comparison for CICO is far more dramatic. Their 98 kw signal is vastly improved over their 600 kw transmitter. Initial reception response from viewers indicates the UHF transmitters are getting out well. Regular reception of CBLT-5 is reported as far west as Grand Bend, Ontario, on Lake Huron, and well into North Central Ontario. Although I am not properly equipped for VHF reception, CBLT is encouraging on a 6-element FM yagi...it was not there at all previously. Channel 79 at 280 kw maximum is seen often during early morning tropo...my antenna system is highly inefficient at those frequencies, so I would estimate that CITY will get out well on tropo...be wary, Bob Cooper! Also, Ch. 79 has been seen a couple of times when FM, VHF and lower UHF channels are not very good...which could indicate that the highest UHF channels duct under different weather conditions than low frequencies. Of course, only DX reports will tell...Note: CITY-79 now programmes 20 or more hours a day, and they run color bars the other 4 hours a day...they programme in foreign languages late at night and early mornings...so they should be one of the easiest tropo targets to ID.

FM RADIO: For Toronto-based DXers, a vast improvement. With RF levels vastly reduced, and all transmissions from a central source (except CJRT-91.1 on the old CBC tower), image problems and receiver overload problems seem reduced. At my parents' home, several alternate-channel distant FM stations could now be received on auto radios despite AFC circuitry, and I was able to drive in downtown Toronto very close to the Tower without overload problems on FM. The big winner is CHIN-FM 100.7. Now in stereo, their ERP dropped from 50 kw to 4 kw, but excellent reception noted on my car radio west of Kitchener, Ontario, 65+ miles, an improvement. The others: CKFM 99.9, CHUM 104.5 (both at 40 kw), CBL-FM 94.1 (at 38 kw) and most powerful CHFI 98.1 (at 44 kw) are well-received on a car radio west of Woodstock, Ontario (90+ miles), and about 100+ miles east of Toronto. At my apartment in London, about 110 miles from the C.N. Tower, the FM signals are somewhat worse--it would appear that on an FM antenna at this distance the higher power levels are important where line-of-sight reception is impossible. Clearly the reduction of ERP has hurt. This observation has been trumpeted by a couple of CKFM's listeners. Previously at 100 kw, 818' EHAAT, someone in Deep River, Ontario, north of Pembroke, about 270 air miles, had a good antenna system and was a regular listener. He now cannot receive CKFM. Even early morning tropo doesn't increase these FM signals as much as with the old ERP's. Despite a common antenna, the Toronto FM stations have a few more quirks: CHUM 104.5 now has Muzak SCA at 67 kHz but excellent main channel modulation, frequency response, and stereo separation. CHFI 98.1 has

Dolby, but this has hurt their frequency response in a few frequency ranges, including some highs and very lows. It would seem, though, CHFI's response is excellent if you have a Dolby decoder. They no longer have SCA. CKFM 99.9 has the best "audible" signal. They now use "microwave" STL at about 958 MHz, in stereo. It is an improvement over Bell stereo lines which were often subject to Bell's own poor maintenance. CKFM is still using one of their old Collins transmitters, but they've added the latest state-of-the-art limiting equipment too. Their duplicate Collins transmitter remains in place at Commerce Court West, their old site.

One other CN improvement: Multi-path problems on car radios are now nearly non-existent driving throughout Toronto.

RECEPTION REPORTS: One interesting one came in almost immediately after the move from a guy in Glendale, California. He called CHUM-FM, and they aired him "live" with his report. I am skeptical because this would have been a tremendous "double-hop" opening, and with local KBIG 104.3 at 78 kw. When questioned by the announcer about "long distance reception," this supposed DXer was inarticulate, and provided no programme details. I am trying to get further info on this reception report.

Also on the air and DX ready: CBLFT2-40 seen testing with bars. Despite its 20 kw flea-power, I have seen it in Toronto at 115 miles, with a fairly good picture during fair conditions. Ch. 76 Kitchener will be the station Ch. 40 will translate--it hasn't been monitored as yet. Also look for Ch. 48 Chatham, Ontario; Ch. 78 Windsor, both part of the CBLFT web (see July 1974 VUD, p. 11, for further info). Look for Ch. 32 Windsor and 59 Chatham with TVO programming; target dates unknown, but Ch. 59/48 Chatham tower is standing and ready to go. (See also June 1972 VUD, p. 16.)

Noted on the air: Ch. 11 CKCO "Haliburton area," Ontario. CKCO only IDs their transmitters at sign-on and sign-off, the rest of the time, Chs. 2, 13, 11, and 42 are merely IDed as "Serving Ontario, we are CKCO-TV."

And finally...your North of the Border editors are on the move. J.J. Rosenberg is now M.D. The good Doctor is now putting in hours of internship. He also joined the ranks of the married on June 10th, and now resides in an antenna-less high-rise in Toronto. His new address will be published in an upcoming edition.

This article is being prepared by Mark L. Lewis (and retyped by Clarke Ingram, hi -CWI) while Joel and his wife Mindy are vacationing. I (Mark) am also on the move. June 10th was a doubly memorable day for your editors, as I received my L.L.B. (law degree) on that date. I will join the CRTC (Canadian Radio-TV Commission) August 1st as a member of their legal dept'. Henceforth, CRTC info will come from the horse's mouth. My new address as of August 1st: Apt. 701, 345 Waverly Street, Ottawa, Ontario, K2P 0W4. I plan to have some DX antennas.

By the way, some DXers might have heard me on CFPL-980 or CFPL-FM 95.9 London. I have been working there on-air as announcer, newsmen, etc. My contract expires August 1st, 1976, but my voice will probably remain on their "format" intros long after that date. Radio has been fun, but the legal profession calls. Both your editors would like to attend the WTFDA Convention, but circumstances don't permit it.

(SEE PAGE 52 FOR A LATE BULLETIN!)

73a, M.L.L. and J.J.R., M.D.

A NEW UHF AMP. Right at press time, Jim Gould has informed us of a new UHF amplifier which is believed to surpass the CMA-Ub: the Winegard AC-4990. Although the gain is lower (17.5 dB avg as compared to 25 dB for CMA-Ub), Jim states that the important characteristic is the 2.2 dB noise figure, which compares to 4 dB for the CMA-Ub. In addition, the AC-4990 can put up with 126,000 microvolts of signal before cross-mod occurs, compared to only 25-30,000 for the CMA-Ub! Realizing that the noise and gain figures were averages, Jim investigated, and came up with these specifications. Over channels 14-50, the noise figure is not greater than 2.2 dB; 50-69, not greater than 2.9 dB; in the translator range (70-83) not greater than 6 dB (gain in that range is 13 dB). The list price for the AC-4990, with 300-ohm input and 75-ohm output, is \$75 00 (the CMA-Ub with power supply lists at \$157.00); but with the possibility of a "DXers' Discount" (like that given to 'hams'), the Winegard AC-4990 would sell for just \$49.00. We'd appreciate reports from DXers who've used this amp! ---Clarke Ingram

NORTHERN FM-DX

Earl Nordquist
7945 Boxford
Clay, NY 13041
Deadline: 10th

July 1976

FM DX activity is picking up with openings noted as follows: Es on 5/5,15,17&25 and 6/1,3,4,6,7,11&12; Az on 5/2 and 6/5; and Tropo on 5/5,10,11&31. Now to the reports.

John Ehaling - 9209 Vincent Ave. S. - Bloomington, MN 55431 (CST)

5/10 Tr 2300 94.3 WMSR MN Sauk Centre
5/11 Tr 0001 91.7 KAXE MN Grand Rapids
6/1 Es 2231 95.5 KILA NV Henderson gospel, mono.
2251 92.3 KVEG NV Las Vegas cw, & dual ID: KVEG/KTRI
2240-2255 88.9 UNID al \$

RI: Heath AJ-15; Ant.: 10-ol. Chomel Master (16 yrs old) 18' AGL & folded dipole (w/o reflector) for V reception. (John notes worst May DX in memory, with no Es on FM band)

Frank Wheeler - 6589 Wattsburg Rd - Erie, PA 16509 (EST)

5/27 0115 103.5 WNUZ MI Detroit (154)
0145 104.7 WWTZ Either Ohio or Mich. Couldn't find it in logs.
6/2 0600 90.3 WBCL IN Ft. Wayne Ft. Wayne Bible College (261)
0614 99.1 WPRO OH Fremont (164)
0620 95.5 WCLV OH Cleveland (91)
6/3 0805 105.1 WVNO OH Mansfield (154)

This brings my FM log to 124 received. Indiana is new state for me, making 5 states and 1 province. All tropo. 73.

Peter Sawatzky - 244 Neilson Ave. - Waterloo, Ontario N2J 2M3

RX: Heathkit AJ-15; Ant.: Delhi 1047 @ 30'; MS tape control unit.
N.B.: All loggings rx'd on MS tape control unit asterisked & respective times refer to period frequency monitored. New underlined.

3/18 MS 0730-1830 WJND* 94.7 MD Bethesda (355) "-JND, Bethesda..."
3/21 Tr 2300 WFCJ 93.7 OH Miamisburg (330)
3/26 Au 0707 WMBI 90.1 IL Chicago (375)
3/28 Tr 1055 WBLV 102.9 OH Springfield (300)
3/31 Au 2045 Very light Au noted on 88-92 MHz. for c. 1/2 hr.; no ID's
4/6 Tr 0730-1800 WBLV*102.9 OH Springfield (300) Tr that snuck in on MS tape control unit
4/10 MS 0100-0600 WMGM*103.7 NJ Atlantic City (420) "....MGM..."
(1st FM from NJ)
4/14 Tr 0100-0600 WJDJ* 94.1 OH Cincinnati (365) rock, ID as "music system for Cincinnati" (Tr that snuck in on MS tape control unit)
4/17 Tr 1037 WMJC 94.7 MI Birmingham (155) previously WHNE, 1st time by new calls
4/22 Tr 2100 WHIO 99.1 OH Dayton (315)
4/29 Au 1910 Light Au on 88-92 MHz. for several minutes; no ID's
5/1 MS 0830-1400 KKEZ* 94.5 IA Fort Dodge (690) "...easy, KK-..."
5/2 Au 1830 WVWR 89.1 VA Roanoke (430) wx., ID
2200 KWMU 90.7 MO St. Louis (605) arts PSA, ID
2230 WFDD 88.5 NC Winston-Salem (510) NPR & local ID
5/5 Es 1200 KNFB* 94.3 OK Nowata (945) Wx., ID, nx
N.B.: All the following rx'd on 5/5 were on car FM, Heathkit CR1000, between 1200 & 1245 (forgot watch that day)
KSPI 93.9 OK Stillwater (1030) ID, local spots
KYFM 100.1 OK Bartlesville (960) ID, mx.
KOFM 104.1 OK Oklahoma City (1045) local spots
KFNB 101.9 OK Oklahoma City (1045) local spots, ID as 'The pleasant one is FM 102'
KSEL 93.7 TX Lubbock (1350) local spots, sports
KCSC 90.1 OK Edmond (1070) Oklahoma wx.
Anybody know of a KOBK on or around 94.57 Freq. calibration on CR1000 is bad. Spot heard for University Center Theater & Pollard Ford in Indiana TX.
Tr 2215 WAUS 90.9 MI Berrien Springs (310)
5/12 MS 0800-1700 KRFG* 93.5 MO Greenfield (810) "...Greenfield..."
5/15 Es Bits & pieces of FM Es noted before & after 4-hr. power failure. No ID's.

30, Pete

Prod Nordquist - 7045 Bowford Dr. - Clay, NY 13041 (EDT)

5/17 Es 2235 UNID on 94.1 & 98.5
 5/21 Tr 2115 WBSA 107.3 PA DuBois gospel wx in WTLB hall
 5/31 Tr 0835 WCHH 94.5 NJ Trenton
 0910 WTLX 103.7 NJ Newton
 1010 WALL 92.7 NY Middletown (NY1138)
 6/5 Au 0100 CJON 88.7 ON Windsor
 6/6 Es 1217 to 2035 to SW
 2020 WDRU 95.3 MS Drew cw
 2015 KEZQ 94.1 AR Little Rock EZ wx
 2029 WVCU 94.3 MS Corinth rr \$
 6/7 Es 2010 to 2042 to West
 2010 KNOW 89.1 KS Wichita rr
 2030 KGMO 95.5 KS Dodge City Mo'R
 2017 KANS 96.7 KS Larned rr
 6/11 Es 1143 KOMH 94.1 NE Omaha time check
 6/12 Es STRONG 1242-1410 to FL, GA, SC
 All Tampa - Orlando area stations. MUF 107.5
 1306 WQHT 98.1 FL Live Oak MoR
 1309 WRTQ 98.5 FL Crystal River Sports
 1315 WVOH 93.5 GA Maconhurst lol ads
 1358 WVBD 92.7 SC Bamberg lol ads

All above DX from old address - N. Syracuse. The 6/12 Es opening was a nice birthday present! 73. New are underlined.

Andy Bolin - 709 Lincoln Ave. - Charleston, IL 61920

4/1 Au 0000 WVBR (M.1 VA Roanoke (470)
 0029 KIOX 104.7 SD Sioux Falls (525) E
 plus many others, including WVWC, WAER, WAMU, WPTO, WIBW, KPNO, WWE, CKLC, WFBP.
 Owns by 0530.
 4/2 Au 2330 to (4/3) 0200 WFBP NY, & Detroit.
 4/3 Au 1640 to 1715 most Detroit.
 4/5 Tr after 0000 most Birmingham & WFLA Atlanta.
 4/7 Tr after 0000 most Omaha & Minneapolis (465)
 4/9 Tr after 0100 WBBW, WZZK Birmingham.
 4/12 Es 1130 UNID from west. MUF 94 MHz.
 4/18 Tr STRONG from WQID & Mobile.
 0030 WWSJ 94.9 AL Mobile (610) \$
 0030 WELX 92.9 AL Mobile soul \$
 0145 WREB, WRTU New Orleans (670) & most Houston (785)
 5/2 Au 1715 till 0400 on 5/3 WAER, WAMU many others.
 5/15 Es 0930 Miami MUF WBUS
 1350 to 1450 most of CO
 1407 KEPC 90.5 CO Colo. Springs \$ hard rock
 1415 KDJQ 97.9 CO Pueblo (885) \$ rock
 1429 KEUP 99.9 CO Pueblo \$
 5/21 Tr after 0000 most Birmingham & WRAS Atlanta (445)
 5/25 Es 1330 El Paso TX (1140) MUF KEEB
 1350 Albuquerque NM (1105) MUF KDEP
 1410 Colo. Springs/Denver MUF KLZ
 1430 KPEC 97.9 WY Cheyenne
 6/1 Es 1205 to 1310 most ME, NH.
 1213 WBBW 96.3 ME Rumford Mono-rock
 6/3 Es STRONG 1300 to 1430 most of FL
 1230 WGLY 98.3 FL Goulds \$ gospel.
 FL changes were WJNO w/rock, WBOO w/EL, WBBW \$ w/AM siml. & WNTQ now WMLX w/food
 commercials on its SCA. 73.

George C. Greene - 1527 Sunset Avenue - Akron OH 55301 (1975-76 loggings)

12/5	GW	1600	<u>WXIL</u>	95.1	WV Parkersburg	6/4	Es	1302	<u>KLBJ</u>	93.7	TX Austin
5/9	GW	0000	<u>WBCL</u>	90.3	IN Ft. Wayne			1312	<u>KNAF</u>	101.1	TX F'burg
5/15	Es	1340	<u>KACV</u>	89.9	TX Amarillo			1324	<u>KWXY</u>	97.1	TX Ft. Worth
		1348	<u>KWAS</u>	101.9	TX Amarillo			1332	<u>KTLC</u>	100.3	TX Dallas
	GW	2000	<u>WTAF</u>	94.5	KV Lexington			1340	<u>WFSB</u>	94.3	TX Ft. Worth
6/4	Es	1248	<u>WTAW</u>	92.1	TX College Stn			1354	<u>KLUR</u>	99.9	TX Wichita Fls
		1252	<u>KITY</u>	92.9	TX San Antonio			1356	<u>KMTV</u>	99.1	NM Clovis
		1253	<u>KEEZ</u>	97.3	TX San Antonio			1401	<u>KDTX</u>	102.9	TX Dallas
		1255	<u>KTFM</u>	102.7	TX San Antonio			1405	<u>KMTD</u>	92.9	TX Wichita Fls
		1300	<u>KQXT</u>	101.9	TX San Antonio						Log total now: 475

(continued on page 29)

WESTERN FM-DX

Steven C. Wiseblood
707 Loma Way
Santa Maria, CA 93454
Deadline: 10/8

The Deadline for the July and August columns is the 10th; this means that your reports should be mailed by the 7th of those months in order to reach me by the 10th. Beginning with the September column, reports over two months old will be severely edited. I have to do this in order to make this column as up to date as possible. Listed below is an accurate listing of abbreviations used in this column: New Abbreviation

MUSICAL FORMATS: C&W-Country and Western, Modern Country.
NR-Progressive Rock,
CL-Classical
MoR-Middle of the Road (Frank Sinatra, Tom Jones, Tony Bennett, ect.)
*SOL-Soul, Rhyth&Blues
*JAZ-Jazz
EL-Easy Listening (Instrumental w/little vocal)
REL-Religious, preacher, gospel, hymns
*SGS-Solid Gold Rock

Other abbreviations: nx-news
wx-weather
SS-Spanish
FF-French
AI-American Information Radio nx
MBS-Mutual Broadcasting System nx
sx-sports
*LAT-Latin nx
ID-Identification

Patrick Martin, P.O. BOX 14102, Portland OR 97211 (5/9-5/15) (PDX)

I thought it was time for a new report. I recently moved again, from the s.e. part of Portland to n.w. Portland which is much higher in altitude. I moved into a four story apartment building where I put up a 10-element FM yagi. It is about 75 feet above the street, so I am about 200 feet above sea level now. In s.e. Portland I was about three miles from ten 100W stations, plus TV stations which were aimed tight at me. In n.w. Portland TV signals are somewhat ghosty, but adjacent channels are clearer for skip, including the FM band.

1 GW	1545	KORI	105.1	OR	Salem, RR	50	6 Tr	1111	KERO	107.9	WA	Tacoma, MoR	130
	1646	KHPE	107.9	OR	Albany, MoR	85		1115	KDHO	103.9	WA	Hoquiam, RR	120
	1859	KCTV	104.5	OR	The Dalles, MoR	80		1122	KDUK	104.7	WA	Seas. Shores	120
Tr	1904	KELA	102.9	WA	Centralia, C&W	95		1130	CBU-	105.7	BC	Vancouver, Cl	300
	1906	KOME	103.7	OR	Lebanon, MoR	70		2330	KRAE	107.7	WA	Seattle	150
	1909	KERI	104.3	WA	Bellingham, C&W	260		2354	KFFM	107.3	WA	Yakima, Auto. RR	
GW	1917	KLXK	105.5	WA	Longview, MoR	50	8 Tr	0210	KLAY	106.1	WA	Tacoma, RR	120
5 Tr	0952	KELQ	105.5	WA	Edmonds, MoR	160	10 Tr?	1907	KPRC	106.1	CA	San Francisco, 550	
6 Tr	0955	KUXI	104.8	WA	Yakima, C&W	160							
	1005	KZOK	102.5	WA	Seattle, RR	150							
	1016	KORD	102.7	WA	Richland, RR	270							
	1018	CH2M	103.5	BC	Vancouver, MoR	300	Tr	1910	KLOO	106.1	OR	Corvallis, C&W	65

On the KPRC-FM catch.....the station was automated C&W, with ads mentioning the bay area, nx on cable cars & promo for KPRC-C&W. I don't know what else it could be. Anyone have any ideas?? I heard KPRC-FM was due for a format change. Well that should do it for this time.....Good DX... 73's, Patrick

Editors Note: Patrick Martin had originally indicated reception of KPRC was Es, however since he didn't mention any lower band channels on FM also being received by Es at that time I took the liberty of changing it from Es to a tentative tropo reception. After all, 550mile FM Es at 106MHz is unlikely, unless other stations in the same area, which are also in the 550-650 mile range, are also being received. The last time I received KPRC-FM was 5/8, and they still had Solid-Gold RR (Automated). Tropo reception along the Pacific Coast between 5/8-5/10 was very extensive due to an inversion all along the coast. If it indeed was KPRC-FM which Patrick Martin received on 5/10, it was probably a very extensive tropo-duct stretching along the coast. Keep sending in those reports, everybody.

Jim Pizal, 300 Park, Orcutt, CA 95454 (4/23-5/27) (PST/PDT after 4/24)

Equipment Used: Vertical 10-el FM Log @ 35' JVC VT-900 Digital Tuner/ammo tuneable amp.

10-el Horiz. Log @ 75' JVC VT-700 Tuner.

4/23 MS 2332 KPAM 97.1 OR Portland, ID,
Logged on vertical antenna

26 Tr 1637 KCTY 103.9 CA Salinas, SS/Latin

29 Tr 0001 KKQA 107.9 CA Sacramento, RR

0001 KZAP 98.5 CA Sacramento, RR

0023 KKHI 95.7 CA San Francisco, C1

0029 KSPZ 103.7 CA San Francisco, RR

0030 KPOG 104.5 CA San Francisco, EL

0031 KPMR 104.9 CA Fremont, s/off

0050 KARA 105.7 CA Santa Clara, RR

0054 KPAT 94.5 CA Gilroy, RR

5/1 Tr 1130+ Most San Diego FM's in

4 Tr 1118 KCTY 103.9 CA Salinas

TOTAL now 305

5/9 Tr UnId 88.3 n.e., repeating KPFA-94.1,
not an image, didn't fade. (I suspect
it is KPCF-Presno which does repeat
KPFA. It is only 10w, Good Catch!-sw)

10 MS KYSS 94.9 MT Missoula, "---- -FM,
All Music All the Time"

11 Es unId 90.9 East TALK

12 Es 1746 UnId 90.3 East, PSA, KSYM?

14 Tr 1311 91.9 KVCR CA San Bernardino, RR

Es 1324 KHKK 92.9 ID Boise, RR

1326 KOLM 97.7 MT Anaconda, C&W

1327 KBOI 97.9 ID Boise, \$EL

MS 1329 KYSS 94.9 MT Missoula, "In Mont."

15 Tr 1531 KHQP 98.9 BCN Tijuana, \$EL,

ID by YL in SS, Automated mx w/EE dj.

27 Es 1203 KMTN 96.9 WY Jackson, \$RR, ads

1206 UnId 97.1, N.N.E., EL

Fred McCormack, Des Lacs ND 58732 (May-June 5) GDT NEW Underlined

Equipment: Des Lacs: HEATH AR-1500, JPD 10-el LOG

Fargo: HEATH AR-15, Rabbit Ears

Near Fessenden ND (mobile):

5/15 Es 1430 WCEW 92.3 LA LaPlace

1431 WAFB 98.1 LA Baton Rouge

At Des Lacs:

5/15 GW 2136 K261AR 100.1 ND Minot (of KCJB)

5/17 Es 1077 KRST 92.3 NM Albuquerque, RR

1043 KAMA 97.1 TX El Paso, RR, SS

1048 KNTV 97.5 TX El Paso, RR 1155

1050 KTSN 99.9 TX El Paso, RR

1854 KSTM 107.1 AZ Apache Junction

1855 KBPE 105.5 AZ Casa Grande, \$RR

1859 KBOZ 104.7 AZ Mesa 1150

1900 KDKB 90.3 AZ Mesa, RR

1902 KDOT 100.7 AZ Scottsdale, EL

1904 KWAO 106.3 AZ Sun City, mx 1150

5/17 Es 1949 KILA 95.5 NV Henderson, REL

1950 KTKI 92.3 NV Las Vegas 1075

Mobile (near Anacostee ND):

5/18 Es 1015 unId from WV & OH

Fargo:

5/26 Tr 0620 KAKE 91.7 MI Grand Rapids 160

Es 1130 UnId from s.e.

6/1 Es 2345 KITV 94.1 WY Henderson, FM-93

2349 KTRK 92.3 NV Las Vegas, C&W

2359 KILA 95.5 NV Las Vegas, REL

6/2 Tr 0900 KFJM 89.3 ND Grand Forks 75

Des Lacs:

6/3 Tr 0855 KFJM 89.3 ND Grand Forks 205

1336 KMAT 96.1 SD Watertown, C&W 310

1339 KIOF 104.7 SD Sioux Falls, C&W

1633 KOSH 99.3 NE Thief River Falls

James E. Thomas, Box 454, 319 West Cooper, Tipton, MD 65081 (Apr 7-May 17) (GDT)

Equipment: KLN-FM 21 rx & OM 5-el @ 45'

4/7 Tr 2140 KQOA 104.5 OK Pryor, local rx

14 Tr 1900 KOPM 104.1 OK OKC "Fresh Air 104"

2130 WHEM 104.1 IL Jareeville, ad

19 Tr 2000 KSAY 96.1 IA Clinton, rx //KROS

2007 KGRS 107.3 IA Burlington, RR 165

2030 KPMW 107.9 IA Waterloo, MoR 265

2035 KILL 105.5 IA Mt. Pleasant 265

2046 KNWS 101.9 IA Waterloo 265

2104 KLEE 97.7 IA Ottumwa, wx, ID 163

2118 KIMI 95.3 IA Keokuk 138

2120 KCTI 95.3 IA Washington 170

2200 KLPM 104.1 IA Ames 240

2203 KXEL 105.7 IA Waterloo 265

2214 KABC 92.9 OK Tulsa 210

20 Tr 2130 KRNQ 102.5 IA Des Moines 205

21 Tr 2207 WOKZ 100.3 IL Alton 140

4-22 MS 2356 KDAL 98.1 TX Texarkana 368

23 Tr 0007 KRRG 93.5 MO Greenfield's/off

0017 KYKY 103.7 AR Little Rock, K-Kik

0600 KSGM 105.7 MO Ste. Genevieve

0604 KHOZ 102.9 AR Harrison 154

28 Tr 0630 WWCT 105.7 IL Peoria 208

0700 WDRS 94.3 IL Beardstown, rx 190

29 Tr 0001 KPMF 102.9 MO Cape Girardeau

0819 WMPS 96.9 TN Memphis 270

0023 KJCK 94.5 KS Junction City 215

0712 KIRK 106.3 MO Branson, rx, wx

5-2 Au 2315 KDKS 95.3 ON Hamilton, FF mx 740

15 Tr 1114 KVVR 106.5 IA Davenport 235

2345 KLIN 107.3 NE Lincoln, MoR 235

16 Tr 1455 KRAV 96.5 OK Tulsa RR, ads

17 Tr 2227 WPGU 107.1 IL Urbana, RR 300

Random of number of stations logged in the states of:

ARKANSAS.....9 IOWA.....22

ILLINOIS.....20 KANSAS.....19

MISSOURI.....71 ONTARIO.....1

TEXAS.....4

TENNESSEE.....1

OKLAHOMA.....8

NEBRASKA.....7

I would like to swap cassette tapes of local ID's with anyone. The Aurora on May 2 was the strongest I've ever seen for the Central U.S. A station was on every frequency from 94.1 through 107.9. I was only able to ID one single station. The Northern sky that evening looked as if thousands of lights from a giant city was lighting the sky. I'm still looking for E-skip, none yet from this end. 73's & Happy DX. (and a happy season to you too-sw)

Danny Buntin, 1020 S. Duncan, Stillwater OK 74074 (COT) (Apr 23- June 7)

Equipment: Pioneer TX-9100 tuner, Antennacraft 10-el @ 4'.

4-23 GW 1959 KJAK 100.5 OK Oklahoma City, back on after a years absence, now much weaker, not \$, C&W mx.

5/11 Tr 2100 KJLS 103.3 KS Hays, vx, ID 235
12 Tr 2339 KMIT 105.1 TX Abilene, HR 300
2351 KQRQ 100.7 TX Abilene, EL 300
18 2200 KAMD 94.3 OK Nowata, s/off 90
2201 KAMD 94.3 AR Rogers, mx 165
19 2018 KJLS 94.3 OK Okmulgee, \$ad 75
21 0024 KKKK 103.7 AR Little Rock, \$HR
0029 KEZQ 94.1 AR Little Rock, EL
GW 1500 KSPI 193.9 OK Stillwater, leaves
the air for 1 hour to permit installation of
emergency power generator.

Tr 1502 KESS 97.9 TX Fort Worth, SS
30 Ee Most extensive Mex. Ee ever noted.

1132 XHNP 89.3 PB Puebla "SUNO"
1134 XHNP 100.1 DF Mexico 1160
1135 XHSH 95.3 DF Mexico "RAY"
1136 XHSH 88.9 DF Mexico
1138 XHSH 91.3 DF Mexico
1138 XELP 93.7 DF Mexico
1138 XEM 96.9 DF Mexico
1139 XEPOP 99.3 DF Mexico
1139 XEOP 100.9 DF Mexico
1140 XEX 101.7 DF Mexico
1140 XEV 102.5 DF Mexico
1141 XHDFM 106.5 DF Mexico
1141 XEQR 107.3 DF Mexico

Up until May 1st the off-season Ee has been
90% poorer than the previous one. I have
scaled down my antenna plans which were
disclosed earlier for SECURITY REASONS!

73's

Doug Everitt, 1708 W. Maine Ave., Enid OK 73701 (28 Apr- 19 May) (COT)

Equipment: 10-el FM yagi at 40', Kenwood KT-8007 tuner

4-28 Tr 1728 KTEZ 101.1 TX Lubbock, MoR 280
29 ME 1124 WCLM 100.7 TX Cleveland, mx 750
5-3 Tr 0139 KCHU 90.9 TX Dallas, strong 260
5 Ee 1055 Unids 88-108 Northeast
1057 WYSU 88.5 OH Youngstown 090
1121 WBBN 102.5 NY Buffalo, RR 1120
1140 CML 94.1 ON Toronto, CI 1080
1152 Many more loggings on FM possible,
but I was watching TV-UK.
7 Tr 1953 KEER 88.9 TX Commerce 250
2126 KSUC 88.3 TX Keene, NFL 270
9 Tr 1319 KACV 89.9 TX Amarillo, RR 230
11 ME 1104 XELA 98.5 DF Mexico, CI 1220
1105 XHDFM 106.5 DF Mexico, LAT
1108 XEM 88.9 DF Mexico, MoR
1110 XEBS 89.7 DF Mexico, LAT
1111 XEDA 90.5 DF Mexico, Wocal MoR
1113 XHQA 91.3 DF Mexico, promos
1116 XHPOP 99.3 DF Mexico, MoR
1120 XHMM 100.1 DF Mexico, RR, \$
1122 XHFO 92.1 DF Mexico, MoR
1125 XELP 93.7 DF Mexico, MoR

6-7 Ee 1831 WGET-107.7 PA Gettysburg 1105
1838 WBLM 106.5 PA Bloomsburg 1180
1845 WCEB 102.1 PA Du Bois 1170
1845 WKEK 106.7 PA Beaver Falls 1000
1848 WYXX 97.3 WV Wheeling, ID 950
1856 WKAL 95.9 NY Rome 1240
1905 CBM 95.1 PQ Montreal 1370
1906 WRZ 94.5 NY Buffalo 1100
1912 WBGU 88.1 OH Bowling Green 805
1921 WOKN 102.3 NC Goldsboro 1065
1923 WDFW 94.3 OH Marion, ID 835
1930 WWSE 93.3 NY Jamestown, mx
1931 WENF 95.7 NY Olean, ID 1100
1932 WZZO 101.3 NY Rochester 1160
1944 WBSN 102.5 NY Buffalo, ID
1945 WCCK 103.7 PA Erie, ID 1020
1947 WKPM 104.7 NY Fulton, "KPM"
1951 WDEK 103.9 NY Rochester, ID
1958 WYSL 103.3 NY Buffalo, ID
2000 WADV 106.5 NY Buffalo, EL, ID
2001 WWOR 100.5 NY Rochester, ID
2002 WJOJ 98.3 GA Jessup 920
2009 WPTX 95.1 TN Ft. Wayne, RR
2020 WZAT 102.1 GA Savannah, RR 960
2025 WNCN 104.9 GA Metter, "G-105"
2026 WBBQ 104.3 GA Augusta, ID 870
2029 WVOH 97.5 GA Macon, ID 840
2030 WSNB 94.3 ?
2035 WLLW 95.9 ?
2036 WPEH 92.1 GA Louisville 845
2039 WBBQ 98.7 SC Beaufort, ID
2046 WPCB 94.9 GA Atlanta, EL 740
2047 WJTA 99.7 GA Atlanta, EL 740
2051 WOLX 106.7 SC Orangeburg, ad

5/11 Ee 1126 XHSH 95.3 DF Mexico, MoR 1220
1157 XEX 101.7 DF Mexico, LAT, mono
12 Ee 1107 XEM 88.9 DF Mexico, LAT/MoR
1110 XERC 97.7 DF Mexico, RR
1135 XHNP 89.3 PB Puebla, MoR 1200
15 Ee 0930 WAMD 88.5 DC Washington, CI
0939 WYVA 94.1 VA Yorktown, RR
0942 WNVQ 94.5 VA Richmond, G-74
0945 WPPR 94.9 VA Roanoke, MoR
0949 WYVA 101.5 VA Fredericksburg
0952 WFLS 93.3 VA Fredericksburg
0955 WPMN 100.3 DC Washington, RR, LAT
0957 WMDK 101.1 VA Washington, RR
1000 WARA 105.9 VA Woodbridge, MBS
1002 WZZR 106.7 VA Manassas, MoR
1003 WAVA 105.1 VA Arlington, mx
1404 WIAA 88.3 MI Interlochen, many
more loggings in this region possible
but I was installing a TV set (repair)
19 Ee 2110 KQED 88.5 CA San Francisco, FP
2111 KDFM 92.1 CA Walnut Creek, tent
MUF stayed in low-band TV for about
45 minutes more.

Well, the Ee season is off to a nice start as of this report. Mexico City seems to be
in almost too often now. I'm sure I could have made dozens of more loggings, but I've
been trying to increase my meager TV totals lately. Maybe next month I'll concentrate
on FM. (I hope so-sw). I haven't seen any real tropo for quite a while now. What
happened to all the spring ducting? (It never showed!-sw) 73! Doug

Pat Dyer, 5315 Silvertip Dr., San Antonio TX 78228 (May 9-June 7) (GMT)

Equipment: Allied 426; Hallicrafters SX-72; Archer V-100 & 20' w/rotor.

Equipment: Alied	2001	unID	88.7	UT	Madison	1065	5-29 Es	0929 KHIG?	104.3	CA	Los Angeles, EL
5/10 Es	1102 WERN?	88.7	UT	Madison	1065		0929 KECA	105.1	CA	Los Angeles, Jass	
11 Es	2050 KUER?	90.1	UT	Salt Lake City			0938 KELA	99.9	CA	San Bernardino, RR	
	2058 KALL?	94.1	UT	SLC, EL, ID	1080		0952 KLYD?	94.1	CA	Bakersfield, CW	
	2106 KCPX?	98.7	UT	SLC, RR	1080		0955 KIPM?	96.5	CA	Bakersfield, REL	
	2129 unID	89.1	UT?				1003 KVMN	97.5	AZ	Show Low, ads 745	
	2140 KBYU	88.9	UT	Provo, CI	1045		1008 KLVN?	94.1	NV	Henderson, EL 1040	
Tr	2144 KDSZ	92.1	TX	Alcoa, CW	120		1013 KLLC	98.5	NV	Las Vegas, RR 1050	
12 Es	0925 KBNP?	89.3	FB	Puebla, again 1029			1013 KILA?	95.5	NV	Henderson, REL	
	0930 unID	89.5					1017 KTHU	92.3	NY	Las Vegas, ID, wx	
	0930 KHM?	88.9	DF	Mexico, EL	690		The Best opening in terms of MUF and				
	1135 KPSD?	94.1	CA	San Diego			number of signals since the Dec. 22 one. Lots				
	1135 KDIG?	98.1	CA	San Diego			of in-state trop CCI made this a bit rough.				
	1143 KKEY	98.5	CA	Cathedral City		31 Es	0935-1025	unIDs	88-98		
	1201 KPCT?	89.3	CA	Pasadena	1185	1028 WFFM	94.1	FL	Lakeland, EL	1010	
	1201 KCSW?	88.5	CA	Northridge	1210	1029 WJNO	97.9	FL	Palm Beach, MoR		
	1221 KLGW?	88.1	CA	Long Beach	1180	1030 WEDR	99.1	FL	Miami, Jass	1150	
	1223 KCHW?	89.9	CA	Santa Monica		1033 WLOL?	106.7	FL	Pt. Lauderdale, EL		
Tr	1842 KYKR	97.3	TX	Port Arthur, CW		1038 KMYO	98.5	FL	Crystal River	985	
	1842 KRPQ	94.1	TX	Bonham, EL	275	1052 WROU	97.5	FL	Naples, ID, ad		
Es	1925 unID	88.1, 88.3	West			1058 WLCY	94.9	FL	Tampa, RR, "Y-95"		
15 Es	1103 WPMN	89.3	MT	Green Bay (//88.7)		1101 WMCU	89.7	FL	Miami, REL	1150	
	1119 WPMN	88.7	MT	Madison, "WMA" ID		1107 WBUS	97.9	FL	Miami Beach, Jass		
	1129 WMSA	89.9	MT	Brule, rx	1235	Es spotty on 89.7 'till 1142					
17 Es	1105 unID	several	88-90			1458 KHYU	88.9	UT	Provo, PSA	1045	
	1109 WROK	95.5	OH	Lancaster, ID		1615 KBYU	88.9	UT	Provo	1045	
	1109 unID	94.1, 89.7, 88.3				1759 KVMN	97.5	AZ	Show Low, ID	745	
	1155-1206 unID	88.1, 88.3, 88.5, 88.7				5-2 Es	1003 WSCI?	89.3	SC	Charleston	1120
19 Es	2105 KXHU?	97.5	UT	St. George, EL		1044 unID	very spotty	89.3, 88.5,			
	2126 KALL?	94.1	UT	SLC, EL	1080	1200 WMCU	89.7	FL	Miami, MES, REL		
	2133 KTRI	92.3	NV	Las Vegas, CW		1222 WROI	97.5	FL	Naples, ID	1050	
	2144 KILA?	95.5	NV	Henderson, REL		3 Es	2001 unID	88.5, 93.9, 94.1	to 2022		
21 Es	0842 unID	88.5	SS	shoppy		4 Es	1051 WHEC?	94.1	OH	Canton, EL	1235
	2025 unID	89.1	SS			1056 WUPU?	88.1	OH	Akron	1240	
	2037 KHES?	89.7	DF	Mexico	690	1056 WKSU	89.7	OH	Kent, ID	1255	
	2037 KHM?	88.9	DF	Mexico, EL	690	1056 WCMU	89.5	MT	Pleasant	1235	
23 Es	1355 WERN?	88.7	MT	Madison		1056 unID	on almost every channel				
	1355 WPMN?	89.3	MT	Green Bay (//88.7)		1126 WYSU	88.5	OH	Youngstown	1275	
	1401 KKKK	88.1	IA	Cedar Falls, ID		1130 WUCG	90.9	OH	Cincinnati	1035	
Tr	2332 KCKR	97.3	TX	Port Arthur, CW		1140 CJOM	88.7	OH	Windsor	1230	
25 Tr	0949 unID	92.5, 93.3	SS			1140-1230 unID	88-108				
	0949 KHPM	92.3	TX	Midland, EL	275	1237 WYR?	94.5	VA	Richmond, "Q-94"		
Es	1135-1250 unID	88-94.1				1238 WUP	107.3				
26 Es	1301 unID	88.9				1252 WIAL	94.1	MT	San Claire, EL		
	2035-2125 unID	88-93.7				1253 KAGE?	95.3	NV	Winona, MN rx	1075	
	2246 KALL?	94.1	UT	SLC, EL	1080	1307 WMAJ?	95.7	MT	Marquette, EL	1320	
	2246 KUER?	90.1	UT	SLC	1080	1313 WJPD	92.3	MT	Ishpeming, ID	1315	
	2248 KCPX?	98.7	UT	SLC, RR	1080	1330 WMTT	88.3	OH	Marietta, ID	1180	
	2315 KBYU	88.9	UT	Provo, wx	1045	1330 88-90 unID	to 1450				
29 Es	0816 KPES	89.5	CA	San Diego, PSA		This was such a far-flung opening					
	0816 KPSD	94.1	CA	San Diego, CL		that many of the unIDs that I'd normally take					
	0816 KDIG	98.1	CA	San Diego, RR		a guess at aren't worth the effort.					
	0816 KKKY	96.5	CA	San Diego, EL		1610 KPSD	94.1	CA	San Diego, CI	1120	
	0820 KCCR?	97.3	CA	El Cajon, REL		1620 unID	88-95.7				
	0820 KPMB	100.7	CA	San Diego, RR		1647 KALJ	95.1	AZ	Yuma, ID, wx	970	
	0830 KLRQ	94.9	CA	San Diego	1120	1658 KRFM	95.5	AZ	Phoenix, EL	835	
	0845 WMBQ?	96.9	AZ	Phoenix, EL	835	1659 KOOL	94.5	AZ	Phoenix, ID	835	
	0846 KNAC	105.5	CA	Long Beach	1180	1659 KMBZ?	96.9	AZ	Phoenix, EL	835	
	0849 KAPX	107.9	CA	San Clemente, ad		1700 KHEC?	98.7	AZ	Phoenix, RR	835	
	0854 KOTE?	106.3	CA	Lancaster	1190	1702 KLAS?	95.9	AZ	Lake Havasu	980	
	0858 KITT?	105.3	CA	San Diego	1120	1707 KILA?	95.5	NV	Henderson, REL		
	0902 KWSY	105.9	CA	Los Angeles	1190	1717 KAJR?	94.9	AZ	Tucson, EL	750	
	0908 KMAX?	107.1	CA	Arcadia, REL,		1718 KLVN?	94.1	NV	Henderson, EL	1040	
	(not KZEN, Pat -w)					1815 unID	88.5, 88.9				
	0909 KPRI	106.5	CA	San Diego, RR		1843 WGRU	88.9	KY	Richmond	995	
	0921 KQDF	103.5	CA	Los Angeles, EL, ID							

6-5 Es	1320	XEBS?	89.7	DF	Mexico	690
	1325	XHCM?	88.5	MOR	Cuernavaca	735
	1328	XEDA?	90.5	DF	Mexico	690
	1328	XHNP?	89.3	MB	Bahia	739
	1329	XHJK?	92.3	DF	Mexico	690
	1330	XHSH?	95.3	DF	Mexico, "R. Amstad"	690
	1330	XEJP?	93.7	DF	Mexico	690
	1330	XEW?	96.9	DF	Mexico, RR	690
	1332	XELA?	98.5	DF	Mexico, CI	690
	1402	XHM	88.9	DF	Mexico, soon out.	
6-6 Es	1555-1615	UnIDe	88-95			
	1619	WKPT	98.5	TX	Kingsport, ID	1045
	1652	WGRD	97.9	MI	Grand Rapids	1175
	1658	WZZM	95.7	MI	Grand Rapids, RR	
	1659	WBCQ	98.1	MI	Saginaw, C&W	1250
	1704	WLAF?	96.9	MI	Grand Rapids, RR	
	1716	WJNL	98.9	MI	Petoskey, PSA	1320
	1717	WLAF	94.5	KY	Lexington, ID	995

The Es season, though a little late, is getting into the PM now. However, there were only 2 days in May when the MUF's went over 100MHz. Recent years of the past have been much better. As expected, our new semi-locals on 94.9 & 95.1 are hampering things quite a bit. I'd really hoped to make it past the 1000 count for stations logged this summer. However, at the current pace of new loggings it looks very doubtful. 73, Pat WA5JYX

And now a LATE REPORT in from Jim Pissi (see address on preceding pages, Thank YOU)

Jim Pissi (June 3-June 14) PDX

6-3 Es	1905	KCHU	90.9	TX	Dallas, S	
	1906	KSCU	88.3	TX	Keema, mono, EL	
	1913	KCHI	89.3	TX	Dallas, \$NEL	
	1913	UnID	97.1		Light RR	
	1916	UnID	89.5		east, REL	
	1918	KERA	90.1	TX	Dallas, u/KCHK	
6 Tr	2359	KAMB	101.5	CA	Merced,	
					25 W-Vet & 25th	
					Horis.	
7 Es	1818	KUSD?	89.7	SD	Vermillion, Tent	
	1819	UnIDe	90.9		& 92.1	
	1842	KKLS	97.9	SD	Rapid City, ID	
	1845	KVSR	97.9	SD	Rapid City, REL	
	2342	UnID	97.9		n.e., \$RR	
9 Es	1207	KSEL	97.7	TX	Lubbock, \$C&W	
	1208	KLSE	94.5	TX	Lubbock, \$RR	
	1214	KLLL	96.3	TX	Lubbock, \$C&W	
	1905	KPEC	90.9	WA	Tacoma, n&w&w	
	1905	KPLU	88.5	WA	Tacoma, CI	
	1907	KTOY	91.7	WA	Tacoma, RR	
13 Es	1036	KCHU	90.9	TX	Dallas, ID	
	1102	KSCS	96.3	TX	Fort Worth, C&W	
	1103	UnID	96.7		East, EL	
	1104	UnID	97.9		East, RR	
	1108	KERA	90.1	TX	Dallas, CI	
	1109	KCHI	89.3	TX	Dallas, CI	
	1111	KAPH	92.5	TX	Dallas, RR	
	1112	KMAF	94.5	TX	Gainesville, REL	
	1114	KHOQ	99.9	TX	Waco, \$C&W	
14 Es	1558	KSPI	95.9	OK	Stillwater	
	1601	KWBZ	95.5	OK	Tulsa	
	1605	UnID	90.7		EL	
	1606	KMRP	97.7	OK	Edmond, mono, RR	
	1606	KLCO	97.9	OK	Potomac, EL	
	1680	UnID	98.1		\$RR	
	1612	KPJL	98.9	OK	Oklahoma City, SOL	
	1613	KFDI	101.3	KS	Wichita, \$C&W	
	1614	KVLA	101.7	OK	Tahlequah, EL	
	1621	KCPQ	98.5	OK	Tulsa	
	1623	KVRO	105.5	OK	Stillwater, RR	
	1623	KXXX	105.5	OK	Chickasha, C&W	
	1626	KOPM	104.1	OK	Oklahoma City, RR	
	1626	KEYN	103.7	KS	Wichita, RR	

6-14 Es	1628	KAPG	102.7	OK	Oklahoma City, RR	
	1632	KOBT	106.1	TX	Denton, SOL	
	1632	KMOB	106.9	OK	Clinton	
	1636	KOAX	105.3	TX	Dallas, EL, ID	
	1637	KLNB	107.3	OK	Potomac, C&W	
	1637	KARD	107.3	KS	Wichita, EL	
	1640	KNOX	107.5	TX	Fort Worth, SOL	
	1642	KOOY	104.9	OK	Bethany, REL	
	1644	KDPA	104.5	OK	Pryor, Gospel	
	1647					
	1648	KAMW	89.1	NM	Albuquerque, RR	
	1651	KAMW	89.1	KS	Wichita, \$RR	
	1653	KITC?	91.5	NE?	KICC?	
	1654	KOLC	100.9	OK	Miami, local RR	
	1655	KROW	92.1	OK	Broken Arrow, ID	
	1705	KOSZ	92.3	KS	Newton (New Call)	
	1705	KONG	92.5	OK	Oklahoma City, EL	
	1705	KESC	94.7	OK	Oklahoma City	
	1706	KPLA	94.5	KS	Scott City, EL	
	1649-1740	UnIDe	88-98			
	1709	K-IO	91.3	W&A	KBIO, KBIO???	
	1715	KOPD	95.7	KS	Ottawa, \$RR	
	1717	KNEY?	95.9	TX	Kilgore? C&W/EL	
	1718	KRPC	95.5	TX	Waco, RR	
	1722	KPLJ	96.9	KS	Pittsburg, SGR	
	1729	KSYN	92.5	MO	Joplin, RR	
	1734	KKAJ	95.7	OK	Ardmore	
	1740	UnID	92.1		C&W, K-BAD?	
	1801	WTAN	92.1	TX	College Station	
	1805	KGTN	96.7	TX	Georgetown, RR	
	1833	KBYD	92.9	TX	Wichita Falls	
	1835	KAPM	92.5	TX	Dallas, C&W	
	1839	KSCS	96.3	TX	Fort Worth	
	1841	KZBW	97.9	TX	Dallas, RR	
	1842	KHFI?	98.3	TX	Austin, \$RR	
	1928	KIXY	94.7	TX	San Angelo, \$RR	
	1928	KBAD	92.1	NM	Carlsbad, C&W	
	1933	KITY	92.9	TX	San Antonio, \$EL	
	1936	KBBZ	97.3	TX	San Antonio, \$RR	
	1945	KBCZ	91.3	TX	Killeen, CI	

Steven C. Wiseblood, 707 Loma Way, Santa Maria CA 93454 (18 May- 18 Jun) (PDT)

Equipment: FM-AG @ 15' w/ Pince 55-7 pre-amp. Pioneer SM-4300B receiver

6-7 Es	1808 KPLA	94.5 KS	Scott City, \$EL	6-13 Es	1109 KAPM	92.5 TX	Dallas, RR/KX
	1810 KBLJ	92.1 CC	La Junta, \$C&W		1113 KZEW	97.9 TX	Dallas, RR 1329
	1817 KPTK	93.9 CO	Colorado Sprs., C&W, "Super-K 9"		1113 KGAF	94.5 TX	Gainesville, REL
	1830 KMYR	97.7 SD	Wimmer, EL, MoR, ABC-E mx, Jingle "The Best mx-KMYR"		1126 KCBZ	96.3 TX	El Paso, MoR, EL
	1847 KKLS	93.9 SD	Rapid City, RR, Rock Interviews, "Good Evening Black Hills"		1127 KTRM	99.9 TX	El Paso, MoR
	1847 KVSX	97.9 SD	Rapid City, REL		1145 KRFM	92.3 TX	Midland, "Media-Central", nx, JAZZ-ROR
	1903 KGRH	92.3 CO	Greeley, \$EL, ID	14 Es	1602 Band	full up to 107MHz	at t/in
	1912 KPBC	97.9 WY	Cheyenne, Ai nx		1607 KWOF	106.9 OK	Clinton, mono
9 Es	1649 CPMA	92.1 SK	Regina, nx 1335		1608 KLAJ	101.5 OK	Lawton, RR, K-Law
	1905 KIDW	94.9 WA	Seattle, dismission		1614 KAKC	92.9 OK	Tulsa, RR/Hit
	1905 KPAM	97.1 OR	Portland, Top-40		1616 KPHI	101.3 KS	Wichita, \$C&W, ID
	1907 KBOO	90.7 OR	Portland, Sports		1617 KBBB	104.3 TX	Borger, mono, C&W
	1909 CPMS	98.5 BC	Victoria, EL 985		1619 KCRH	96.9 OK	Enid, ID by woman
	1909 KURL	96.5 OR	Portland, CI 741		1622 KPEC	94.7 OK	Okla. City, C&W
	1910 KJIB	99.5 OR	Portland, EL		1624 KICI	95.1 KS	Wichita, C&W
	1910 KZPM	100.3 OR	Portland, EL		1628 UNID	97.9 Hit/Top-40	mx
10 Es	0654 KJCK	94.5 KS	Junction City, RR		1630 KPHB	101.9 OK	Oklahoma City, tornado watch, "FM-102" ID, \$EL
	0655 KPLA	94.5 KS	Scott City, MoR		1637 KGOY	104.9 OK	Bethany, gospel
17 Es	1050 KRWG	90.7 NM	Las Cruces, talk		1644 UNID	on TV Ch. 7,8,9	(MUF-Ch.9)
	1051 KSBT	94.7 TX	El Paso, \$EL 829		1644: Next 57 seconds	spent on	High-band TV Es, so FM gets left in dust.
	1100 KTEP	88.5 TX	El Paso, German mx		1654 KRLG	92.1 OK	Lawton, RR, ID
	1102 KSCS	96.3 TX	Fort Worth, C&W		1659 KOSU	91.7 OK	Stillwater, NPR ID
	1107 KCHU	90.9 TX	Dallas, Black Blues		1700 KQEZ	92.3 KS	Newton, \$EL, "Kosy"
					1705 KCRG	99.9 KS	Salina, Hit/Top40
					1824 KLR	99.9 TX	Wichita Falls, C&W
					1832 KIDW	96.9	Top-40/Hits (no such calls)
					1840 KAPM	92.5 TX	Dallas, C&W
					1840 KESS	97.9 TX	Fort Worth, SS
					1840 KMTI	97.1 TX	Fort Worth, \$RR
					1840 KZEW	97.9 TX	Dallas, RR

Well, that just about does it for another month. The Es season has been in full swing since the 7th of June. Next month, I hope to be able to do a 12-page column (on Pat Dyer alone, h1). The Best day for Es was the 14th, with an MUF seen to Ch. 9. It was my first high band Es seen since 1973. Next month I'll have a new ribbon on the old typewriter, and if possible, I'll also clean the keys, so I'll have a much neater column next month. I hope everybody sends in their reports to reach me by August 10th. Lately I've been doing a lot of Shortwave DX. I've also recently borrowed a freq. counter, and have been busy measuring the frequency of any shortwave station I could hear. Surprisingly enough, most stations were within 20 cycles of their assigned frequency. However, the worst offenders are the Malaysians in the 60-metre band. They're all within 300 cycles of their assigned frequency. No FM DX noted since the 14th. (Today is the 18th). Well, 73's.

an intro
to
vuhf dx

beyond
shortwave

by wt.f.d.a.

HQ SPECIAL!

Learn (or review) the characteristics of DX with BEYOND SHORTWAVE (An Intro to V-U DX), then put DX knowledge to practical use with your WtFda TV STATION GUIDE, featuring maps locating each station in North America! For as long as the supply lasts, you can obtain both publications for merely \$5---save 25¢! Take advantage of the special HO offer now!

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TV STATION
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• CHANNEL MAPS
• TV STATION LISTS



HISTORY OF WTFDA



...compiled by John Zondlo

The Worldwide TV-FM DX Association has been around for nearly 9 years, a relatively short time compared to many other DX clubs. Yet in those 9 years, WTFDA has managed to gain the respect and admiration of DXers throughout the world.

WTFDA had 2 main predecessors, the AIPA (American Ionospheric Propagation Association) and the WMRC (Worldwide Monitors Radio Club).

AIPA was in business for over 10 years. A TV DX club, it was begun when several DXers in the Buffalo, New York, area had to keep in contact by mail when one of them moved to California. The AIPA folded in 1963 when a new editor took over, ceasing publication with no prior notice. No explanation for this action was ever received.

In 1967, WMRC was floundering with only 27 members and an all-band format. At the ANARC convention that year, former publisher Ferdinand Dombrowski was inspired to change the club's name and format, giving us the present WTFDA. WMRC was 7 years old at the time of the change.

As with any DX club, the history of WTFDA is reflected in its bulletin. Let's take a look at the old issues of the VUD and see just how far we've come.....

9/10-67: 1st bulletin (a "sample" issue). Club known as WTFDXA. HQ in Philadelphia. Features- Introduction to TV-FM DX, Western TV DX, and FM DX by Dennis Smith, and Eastern TV DX and Products by Morrie Goldman.
1-68: Ferdie Dombrowski's first VUD as Executive Editor. HQ moved to Milwaukee. Dues only \$3/year. First picture page. New columns- ANARC Scope by Ambrose Maxim (still a WTFDA ANARC rep) and International Column by Ferdie Dombrowski.

2-68: Article by Ferdie Dombrowski explaining 30-50 MHz DXing. Dennis Smith starts Propagation Notes column, along with Western DX, which includes both TV and FM reports.

3/4-68: Article on Me by Roger Bunney. FCC News and Data (TV) started by Gary Olson. Dennis Smith begins FCC FM News. Dues now \$3.50/year. Dombrowski's International Column becomes VHF Radio.

5-68: Article on photographing TV DX by Morrie Goldman. 1st Statistics column by Glenn Hauser.

6-68: Copy of ANARC constitution included with VUD. Dombrowski pens article entitled "How to DX".

7-68: Proposed WTFDA emblems by Morrie Goldman and Ferdie Dombrowski are shown. Dave Janowiak's first Techni/Corner appears.

8-68: 1st WTFDA membership list published (Bob Cooper was in the Virgin Islands then, Bill Heusmann in Steger, IL, Frank Merrill in Milan, MI, and Dennis Smith in Wasco, CA. 67 members listed in membership list. Bob Cooper takes over the VHF Radio column.

9-68: Last issue sent to former WMRCers. Report on ANARC convention. Discussion of F2 skip in VHF Radio column.

10-68: CCI column started by Gary Olson. Bill Draeb had only logged 385 TV stations.

11-68: 1st VUD cover with logos. Roger Winsor's first column as FM DX editor (a column now split into Western, Northern, and Southern FM DX). Report from one WTFDA member in Hollywood, CA, reporting reception of ch. 2 in Seoul, Korea, ch. 3 in Cebu City, Philippines, ch. 10 in Providence, RI, etc. (Comments in December '68 VUD rapped his report up one side and down the other)

12-68: Establishment of 1st and 3rd class dues structure - \$4.50/year for 1st, \$3.50/year for 3rd.

1-69: President Dombrowski reports that club financial picture is good, club embarking on advertising campaign in magazines such as "CQ", other bulletin improvements and expansions planned. Secondary peak of "every 33rd year" Leonide meteor shower. Article on horizontal vs. vertical polarization for FM stations by Joe Gragg. Bob Cooper writes article entitled "What Is Normal For TV FM DX?".

- 2-69: Start of "Planning Your Ultimate TV DXing Installation", a 4 part series by Bob Cooper. List of radio paging channels and stations. Mike Northam is named Contest Editor.
- 3-69: Glenn Hauser sets down WTFDA standards for counting stations, states, etc. (e.g., hearing one station under 2 different calls does not constitute hearing 2 stations). Reports of great tropo in January. Mark Lewis' antenna system again felled by the weather. Station Break (ad column) edited by Morrie Goldman. Bill Heusmann takes over as CCI editor. VUD Feature Section begun by Gary Olson, with 1st column featuring a list of articles on TV DX in publications of the 1950's. As of June 1, dues will go to \$4.50/year, \$8.50/2 years, \$12/3 years, \$2/year extra for 1st class. Foreign members offered regular bulletin at \$5/year, or \$3.50/year for special foreign edition minus many DX columns.
- 4-69: Canadian News and Data column appears, edited by Wayne Plunkett.
- 5-69: Pre-Convention Issue. 1st convention held May 30, 31, and June 1, in Matteson and Steger, IL (south of Chicago). Convention hosted by Bill Heusmann. Registration for convention is only \$7.50. Talks given on: "Photographing Your DX", "Get that ID", "Using VTVM As S-Meter", "Building and Using a Heathkit Color Set". DX Mailbag column appears, done at HQ, format of introducing new members used.
- 6-69: Dues raised, as noted in March '69 VUD. Wayne Plunkett takes over FM section of FCC News and Data. Membership list shows 113 members.
- 7-69: Mark Lewis takes over FCC FM News. Bob Seybold joins WTFDA. Wrap-up on 1st convention in Matteson and Steger (meeting hall at Dettmering's Tavern), 14 in attendance.
- 8-69: 7 day tropo opening reported in July. TV-FM report form introduced.
- 9-69: Bob Cooper begins series on "The Meteor Scatter Concept" in Bob's Tel-Notes.
- 10-69: Approximately 110 responses in from Glenn Hauser's article on TV DX in August 2-8 TV Guide. WTFDA TV Station List published, available to members for 50¢, 75¢ for non-members. Bob Cooper's article: "History of 'Early' TV DX - A DX History".
- 11-69: List of TV Guide and TV program listing exchangers. Tommy Buchanan (Darlington, SC) compiles a tapesponders list.
- 12-69: The Propagation "Wand" appears- a summary of predicted DX conditions, done at HQ.
- 1-70: Anniversary Special Issue. Video Lines by Morrie Goldman first appears, initiating the VAFI code. Glenn Hauser has special VHF Radio article entitled "VHF Harmonics". Detailed 8 page bibliography of nearly all articles about FM-TV DX that have been written for commercial publications. Article by Morrie Goldman on offset identification.
- 2-70: Discussion of the rhombic antenna by Rod Luoma.
- 3-70: Ferdie Dombrowski presents first "President's Message". Final Eastern TV DX column by Morrie Goldman. Appearance of split Eastern TV DX column by Roger Brown and Dave Pomeroy. 152 members listed in latest membership list.
- 4-70: Australasian Scene column started by Glenn Hauser (stationed in Thailand). Mark Lewis does "North of the Border Report": FM-TV news in Canada.
- 5-70: Pat Dyer does his first VHF Radio column. Charles Dobbins takes over FCC FM column. Bob Cooper article on tropo DX appears (reprinted in June '76 VUD). Roger Brown's column officially becomes Central TV DX.
- 6-70: 1st appearance of the current WTFDA emblem. Announcement of 1970 convention, to be held in Dunkirk, NY, August 7, 8, 9, with Bob Seybold as host.
- 7-70: Cooper article on DXing the translators. Ron LeBlanc and Frank Aden join WTFDA.
- 8-70: Feature- "Ten Years Ago in the AIPA". Reports of plenty of Es.
- 9-70: Wrap-ups of WTFDA and ANARC conventions.
- 10-70: Mid-September computer listing shows 163 members. Cover featured TV pictures taken by Glenn Hauser in Thailand.
- 11-70: 1970 termed a bad year for the club financially and membership-wise by President Dombrowski.
- 12-70: VHF Radio continues busy. (slow month, hi)
- 1-71: 3rd Anniversary Issue. Further update on TV-FM DX bibliography. Bruce Elving pens "DXing Educational FM" (rewritten in April '76 VUD). Andy Bolin joins WTFDA.
- 2-71: Techni/Corner feature: "Channel 1 in U.S.A., Revisited".

3-71: 1st class dues raised to \$7.50/year. Announcement of 1st FM Atlas by Bruce Elving. Debate continues on the dropping of DX columns in such magazines as Popular Electronics; club members seem to feel dropping is unwarranted and publishers did not give sufficient notice.

4-71: Bruce Elving issues his DX Constitution, an excellent guide for setting personal DXing standards.

5-71: Morrie Goldman presents the TV Test Pattern Guide. Return of Glenn Hauser to the U.S.

6-71: Dues raised to \$5.50/year, \$10/2 years, third class. A beginners course in VHF-UHF DX offered for first time (new member package). Gary Olson's last FCC TV column. Comments regarding the Heathkit AR15 by Bruce Elving, plus reactions to his DX Constitution. Some good tropo sessions noted in April.

7-71: Bruce Elving takes over FCC FM column.

8-71: Charles Dobbins switches to FCC TV column. WTFDA convention held August 13-15 in East Lansing, MI, hosted by Roger Brown. Announcement made at convention that VUD publishing will shift to Chicago area at the end of the year.

9-71: Terry Colgan takes over the WTFDA Mailbox. Bruce Elving hits the 1,000 heard mark on FM on 8/23, the 1st DXer to do so (#1,000: WKVI 99.3 Knox IN).

10-71: '71 convention wrap-up.

11-71: Largest mimeo VUD. Part 1 of Techni/Corner article "TV and FM Receiving Antennas: Fantasies, Fads, and Facts". Dombrowski's Polish History.

12-71: WTFDA reaches a crisis point- meeting held November 26 votes on question: "Will HQ and publishing be moved to Illinois?" or "Will the club cease to exist?". HQ staff decided to transfer publishing and HQ to Illinois. President Dombrowski writes editorial denouncing the complete changeover. Les Prus takes over GCI column.

1-72: 2nd edition of the FM Atlas is announced. Last VUD for publisher Ferdinand Dombrowski.

2-72: 1st VUD published by Chicago area group, Morrie Goldman and Gary Olson publishers. Dennis Moe begins FM QSL Corner.

3-72: Announcement that the May issue will be the first offset printed VUD. Dues increase announced, going up to \$6/year third class and \$9/year first class. Statistical comparison of the TV loggings of Bill Draab and Bob Cooper. Log Data column appears, with Dave L. Brown as editor.

4-72: Last mimeo VUD. FM DX column split, with Roger Winsor taking FM North and Richard Wood FM South. Feature on Mexican FM-TV by Glenn Hauser.

5-72: First offset printed VUD.

6-72: Les Prus and Richard Wood plot the Es opening of March 7.

7-72: Reports of super June 2 Es opening.

8-72: Membership now over 310. Annual convention held August 3-6 in Marrero, LA, hosted by Ron LeBlanc. Les Prus explains Es cloud tracking. Bob Cooper reviews the AJ-1510 tuner. 3rd class dues raised to \$7/year. Largest VUD.

9-72: Convention report, with photos for first time. TV Guide swap maps by Les Prus.

10-72: An index to Statistics columns by Glenn Hauser. VHF Radio column becomes VHF Utility DX. Tropo abounds!

11-72: Australasian Scene makes its "final return". Bruce Rummel takes over as FM GCI editor. Mike Dörner starts the Western FM DX column. Mark Lewis and Joel Rosenberg announce the availability of their publication "DXers Guide to Canadian TV-FM Stations". Membership now at 324.

12-72: Pat Dyer begins classic 3 part series "Es in Depth".

1-73: WTFDA begins year #5. Chuck Dobbins gives up FCC TV column. Relatively good DX reported in December.

2-73: Shelby Remington volunteers for chairmanship of Meteor Scatter Test Committee. Don Ruland takes over FCC TV column.

3-73: Winter DX conditions continue to be good. Article on identifying non-English DX by Richard Wood.

4-73: Glenn Hauser reports on Mexican TV.

5-73: Complete list of Mexican FM and TV stations by Glenn Hauser. Roger Winsor's farewell as FM North editor.

6-73: Mike Dörner's 5th Progress Report on the FCC FM allocation table is announced.

7-73: Pre-Convention issue. Russ Brown takes over as FM North editor. Plenty of Es June 3-6.

8-73: Convention held August 2-5 in Dunkirk, NY, hosted by Bob Seybold. Reports of high band and double hop Es and tropo ducting. Dave Janowiak issues the Commandments of Antenna Installation.

9-73: Station Break returns. Techni/Corner features a review of Alliance rotors. Convention wrap-up. Convention financial report shows club made a profit of \$156.10 in the previous year. Roger Brown moves to FCC TV and Don Ruland takes Central TV DX. Ken Simon takes over TV QSL column.

10-73: 3rd class memberships no longer accepted. Greg Kelley takes over FM QSL Corner.

11-73: Bruce Elving named ANARC's "Man of the Year". Don Ruland elected to WFFDA's Board of Directors, replacing Ferdinand Dombrowski.

12-73: Roger Horie takes over as Western FM DX editor.

1-74: Topeka defeats Fort Lauderdale 6 to 3 for the 1974 Convention.

2-74: Don Ruland presents "How to Report to a DX Column". Bill Thompson is new Eastern TV DX editor. Latest membership list totals 330.

3-74: Glenn Hauser provides list of addresses and managers for Mexican FM stations.

4-74: 2 new WFFDA publications released- Beyond Shortwave and the UHF Translator DX Guide.

5-74: Search on for new FM North editor - HQ efforts to contact Russ Brown have failed, and all reports sent to him are apparently lost. Clarke Golubic (Ingram) writes his 1st VUD feature- "The Haunting DX".

6-74: Results of WFFDA Member Survey published; Bob's Tek-Notes rated the most popular column; many good suggestions made on improving the club.

7-74: Don Ruland becomes VUD editor. Edward Barbont replaces Russ Brown as FM North editor. Plenty of Es in May and June.

8-74: Convention held August 2-4 in Topeka, Kansas, with Dave Pomeroy as host. Steve West becomes Central TV DX editor. Jim Alexander starts the Photo-News column. Larry Vogt takes over Southern FM DX on interim basis.

9-74: Tek-Notes features a comparison of the totals of Bill Draeb, Bob Seybold, Bob Cooper, and Roger Brown. Clarke Ingram takes over the TV-FM Scoreboard section of Statistics from Glenn Hauser.

10-74: Topeka convention report. Ken Simon has in depth article on TV and FM in Guatemala. Bill Draeb is new Central TV DX editor.

11-74: Overseas membership rate raised to \$16/year for air mail service. Ken Simon continues his tour of Central America, hitting Costa Rica. Morrie Goldman editorializes on the many problems the club is having, including membership, which is at around 288.

12-74: Ken Simon heads over to El Salvador for a report on TV-FM in that country.

1-75: 2 new columns appear- PS Spectrum by Terry Colgan and TV GCI Aids by John Combs. Announcement that Bob Cooper would soon take over as VUD editor (never happened, tho). Southern FM DX column now handled by Ted Fleischaker.

2-75: Dues raised to \$11/year, \$18/year foreign. Rerun of the TV Test Pattern Guide.

3-75: Morrie Goldman begins feature on TV receivers of the future. TV GCI now ably handled by Frank Aden.

4-75: John Zondlo takes over WFFDA mailbox, and Dave Pomeroy becomes FCC TV editor. The third edition of the FM Atlas now on the market.

5-75: Es expert Mel Wilson conducts his Q&A version of Es in Depth. Bruce Elving pens an article on DXing vertically polarized stations.

6-75: WFFDA TV Station Guide is finally released. Sheldon Remington reviews the Pioneer TX-9100 tuner.

7-75: Jim Gould makes 910 mile tropo catches. Updates for the TV Station Guide by Clarke Ingram and Glenn Hauser.

8-75: Glenn Hauser sees plenty of high band Es, with pictures in Photo-News. WFFDA convention held in Fort Lauderdale August 1-3, with Ken Simon as host. Steve Wiseblood becomes Western FM DX editor.

9-75: The search begins for a new publishing staff.

10-75: Charles Winters takes over the Southern FM DX column.

11-75: Glenn Hauser elects to give up the TV records portion of the Statistics column. New editor not found for months.

12-75: Super tropo reported November 4 & 5. Greg Kelley resigns as W QSL Corner editor. Report on the '75 WFFDA convention. "Important notice" inserted with many VUDs, giving ultimatum to find new publisher or cease publication.

1-76: Last VUD published by the Chicago group. New appointments announced.
 2-76: VUD publishing operations transferred to the NW Indiana trio of Pete Oprisko, John Zondlo, and Mike Hogan. Clarke Ingram relinquishes Scoreboard column to become VUD editor-in-chief. Ken Simon reports on Dominican TV-FM. QSL Corners change hands, with Paul Traska handling TV, Tom Yingling on FM.
 3-76: VUD Table of Contents instituted. Tek-Notes returns after two years. Features an article on NOAA Weather Radio. Fred Nordquist is Northern FM-DX editor, while Steve West takes over TV CCI Aids. Ken Simon's feature column, International Notes, premieres.
 4-76: Special FM Issue, hailed by many as best VUD to date. Bruce Elving discusses "DXing Educational FM." Morrie Goldman interprets FM tuner specs. Pete Oprisko reviews the Sony ST-5130 tuner. Clarke Ingram lists non-IDing FM stations. Rod O'Connor revives the FM CCI column, dormant since 1973.
 5-76: Newspaper article on Pete Oprisko featured. Paul Gaines institutes the This Is Your DX column, printing stories of DXers' experiences.
 6-76: Announcement of new WTFDA Reprint Service. Rewrite of Tek-Notes article "Tropo In Depth." Photo-News expands to 4 pages with comparison and contrast pictures. Clarke Ingram reviews Advent Projection Television
 7-76: Bicentennial Issue (red cover, white pages, blue Reprint Service book in center). Also largest VUD to date with 60 regular pages and equivalent of 14 pages of inserts. Clarke Ingram editorializes on "Support Your Club"; also reports on Test Pattern Guide progress. Third WTFDA Member Survey is included, as are full convention details and registration blank. History of WTFDA is covered by John Zondlo.

As you can see, WTFDA has had its good times and its bad times. Its future is now in the hands of each and every member...let's keep it going strong!


 John Zondlo

NORTHERN FM-DX (continued from page 18)

JULY 1976

Peter Oprisko - 1932 New York Avenue - Whiting, IN 46394 (CDT) 219-659-2954

This report covers only the first half of June. For such a short period of time, DXing the educational band (88-92 MHz) has been quite eventful:

- 1.) E-skip finally arrived--El Paso, TX at approximately 1500 miles.
- 2.) Sunrise tropo brought several new stations including a 100-mi. 10-watter
- 3.) Received my 20th 10-watt station
- 4.) Added three new states: TX, MN, KY--now 10 states and one province.
- 5.) After just 5½ months, logged my 76th educational band station, a level of accomplishment that usually takes about 5 years.

Equipment: Sony ST-5130 tuner, single Channel Master Probe 9 (Model 4408) antenna mounted horizontally at 60 feet on a Rohn 20-G tower, Cornell Dubilier AR-40 rotor, Belden 8285 300-ohm lead-in. (No traps, no booster.)

- 6-1 Tr 0517 WCBE 90.5 OH Columbus (310) classical music
- 6-2 0509 WBGU 88.1 OH Bowling Green - nx, Ohio wx, "temp in B. Green"
- 6-4 0500 WIDR 89.1 MI Kalamazoo - rock mx, sidewalk book sale, 10 watts
- 6-6 Es 2000 KTEP 88.5 TX El Paso (1500) first E-skip educational
- 6-8 Tr 0122 WLFM 91.1 WI Appleton (190) jazz, student DJ's last program
- 0427 KSJN 91.1 MN St. Paul (360) classical mx w/George Fisher anncr
- 6-9 0430 WHRM 90.9 WI Wausau - "This is the Wausau station of the ECB..."
- 0602 WFPK 91.9 KY Louisville - "For your information & inspiration..."
- 6-16 0700 KCKK 88.3 IA Cedar Rapids - ID, NPR programming
- 1900 WEKU 88.9 KY Richmond - "The voice of Eastern KY University. ..."
- 6-17 2236 KLUM 88.9 MO Jefferson City - "Music K-L-U-M" soul music

All DXers here are looking forward to the WTFDA Convention. The August VUD will be "off-the-press" in time to be hand-distributed to those attending.

73, Pete

PHOTO-NEWS

Jim Alexander
 BROOK COTT
 Parsippany NJ 07054

July, 1

This month, we have two pages of TV-DX, contributed by 8 different people. Don't miss the WCBS-2 meteor scatter photo (only the second photo of DX by meteor scatter that has been sent to your editor) taken by Paul Gair.



WCBS-2 New York, NY
 490 mile meteor scatter (EG)



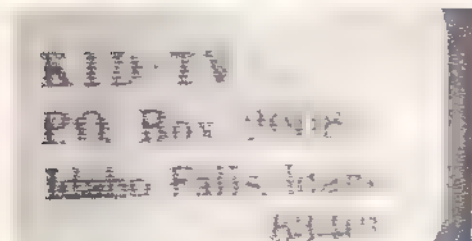
WKBD-50 Detroit, MI
 215 mile tropo (ET)



WOJU-34 Columbus, OH
 290 mile tropo
 7/22/75, 2230 EDT (BT)



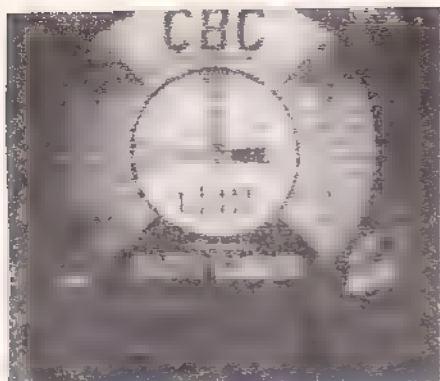
WEAU-13 Eau Claire, WI
 390 mile tropo
 8/16/71, 1000 CDT (JC)



KID-3 Idaho Falls, ID
 FS 7/1/75 (MG)



KIVI-6 Nampa, ID
 Tropo (RW)



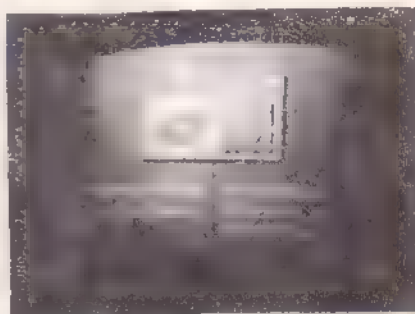
CBUT- 2 Vancouver, BC
Es (JP)



WJBK- 2 Detroit, Mg
945 mile Es (RL)



KWWL- 7 Waterloo, Ia
460 mile tropo (FG)



WBME-42 Birmingham, Al
490 mile tropo
9/14/74, 2300 CDT (JC)



KLINE- 3 Lexington, Ne
Es (PT)

Contributors:

- FG = Paul Gaines, Detroit, Mg
- PT = Paul Traska, Buffalo, NY
- BT = Bill Thompson, Buffalo, NY
- K = Jim Gould, Kokomo, In
- ML = Mortie Goldman, Chicago, Il
- PW = Robert Williams, Twin Falls, Id
- JP = Jim Pizzi, Orcutt, Ca
- RL = Ron LeBlanc, Marrero, La

Hope this year's Es season will be a productive one for all. If you see anything special, be sure to take a photo of it (and send a print in for all to see)!

73 and good DX, *Jim*

VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 10th of month

JULY 1976

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 QSLed, GMT

11-9: 2356, N3736G 134.5 vic Easton, MD (Bert A. Rowe, Beech 18)
2-14: 1755, N3725R 119.7 Pasadena Inter. (Dr. Arthur L. Haskins;
Piper Cherokee 180E, 1-eng, 4-seat, 3000')

Michael D. Schoenfuss, PO Box 401, Abbotsford, WI 54405 Realistic
Pro-6 with plug-in antenna; Electronics International 9-band w/whip

6-21 ? 146.82 Wausau, WI (2-mtr amateur repeater)
KCX 975 155.10 Wausau, WI (fire)
? 152.66 Wausau (Gen. Tel. Co., mobile phone)
KRS 672 152.77 Wausau (Forward Message Center, common carrier)
KSB 915 47.54 Colby, WI (Medford-Colby Veterinary Clinic)
KSC 670 153.50 Abbotsford, WI (Northern States Power Company)
WKU 42 158.22 " (")
KSE 831 47.68 Abbotsford, (Melvin's Ready-Mix)
KTH 688 155.175 Marshfield (Marsh. Clinic, medical paging)
? 152.030 " (Marshfield Radio Secretary, common carrier)
? 152.54 " (Gen. Tel. Co., mobile phone)
KSA 888 155.01 " (police)
KSB 362 159.21 Wausau, WI (sheriff)
31 KSA 348 155.805 Neillsville, WI (sheriff)
KTK 561 155.565 Medford, WI (sheriff)
KIS 525 151.895 Abbotsford (A.C. Dehn, DVM)
41 1802-2200 Z, several sets of unIDed tones between 35-40 MHz
(tape copies available for anyone interested or who
might be able to recognize them) likely pagers, but
some might have been power company telemetry or
even of satellite origin - OK City pager in
71 1518 Z, OK City 35.58 (as well as several tone signals)

Now, my loggings. Allied A-2586, Hallicrafters SX-62, Hammarlund SP-
600-JX-10, two 30' long-wires at 12' (run ne-sw & nw-se); all are Es
unless noted; * P2 backscatter; new underlined, GMT used

<u>5-11:</u> 1818, KMA 829	18: 2334, KIL 431	20: 1611, KAA 414
KSC 645	2335, KID 651	KAD 761
1927, KAQ 606	2347, KIG 585	1627, KAD 521
1929, KDN 407	<u>19:</u> 0011, KTK 394	1642, KFL 936
1934, KAI 927	0017, KAY 966	1718, KAI 927
2014, L Ang-a	0424, KQC 884	1802, KAQ 606
2015, L Ang-b	0535, KME 438	1905, KFL 943
2335, KIN 645	1554, KQI 316	2050, KME 438
12: 1730, S Diego-a	1609, Ironton	2113, L Ang-a
<u>13:</u> 1631, KAA 893	1717, KQC 877	2139, L Ang-b
<u>14:</u> 0002, KFL 943	2357, KSC 645	<u>21:</u> 1800, KOE 257
1916, S Diego-a	<u>20:</u> 0005, OK City	<u>22:</u> 1634, KIE 953
2012, L Ang-a	0036, KMA 829	1705, KMA 829
2013, L Ang-b	1509, KAA 241	<u>23:</u> 0445, KMA 829
2300, 32.000 P2	1516, KAA 474	0855, KME 438
35.62 *	1518, KAD 472	1625, KIE 953
<u>15:</u> 0117, KIF 651	1520, KAL 561	<u>24:</u> 1556, KSC 645
2057, 32.000 P2	1522, KAA 947	1748, L Ang-b
<u>17:</u> 1554, KQC 877	1525, KAA 317	1813, S Diego-b
1617, KSC 645	1547, KFM 306	1825, S Diego-a
<u>18:</u> 0543, KFL 943	1554, KAA 985	1828, L Ang-a
1638, KFL 936	1603, KAA 585	1841, KMA 829
2320, KIL 722	KAA 449	1930, KME 438
2323, KIH 982	1605, KAE 607	<u>25:</u> 1519, L Ang-a
KSV 732	KAE 223	1527, KIN 645
2325, KIJ 482	1611, KAD 417	1629, KAD 756

25: 1636, KAP 474	29: 0334, KAA 893	1: 1959, <u>KAD</u> 308
26: 1451, KQA 459	30: 1916, KQC 877	<u>KAA</u> 441
1607, KSC 645	1935, KQI 316	2000, <u>KAB</u> 454
1716, KAD 756	1940, KSC 645	2001, <u>KAD</u> 417
1721, KAA 985	6-1: 1630, KPL 943	<u>KAF</u> 228
1808, KQE 257	1713, KAL 561	2002, <u>KAB</u> 266
27: 1517, KHE 438	1714, KAA 317	2: 0542, <u>KAA</u> 860
1717, KQC 877	1718, KAA 521	<u>KAA</u> 585
28: 0315, KQC 884	1722, KGW 793	0547, <u>AAA</u> 979
1743, KQE 257	<u>KAA</u> 747	0552, <u>KAA</u> 879
1752, KIM 476	1723, <u>KAD</u> 472	1547, <u>KQI</u> 316
<u>KSQ</u> 453	1918, <u>KAB</u> 574	1551, <u>KBS</u> 994
1759, <u>KIJ</u> 764	<u>KAD</u> 505	1557, <u>KAA</u> 241
1805, <u>KDP</u> 456	1920, <u>KAA</u> 948	1550, <u>KAD</u> 756
1814, <u>KDY</u> 372	1921, <u>KAA</u> 414	1601, <u>KAB</u> 264
1815, <u>KAY</u> 966	1922, <u>KAG</u> 641	1621, <u>KAF</u> 228
1824, <u>KIJ</u> 489	<u>KAA</u> 241	1627, <u>KAE</u> 697
1853, <u>KIC</u> 407	1925, <u>KGT</u> 462	1628, <u>KAD</u> 471
1929, <u>KIM</u> 905	1926, <u>KAD</u> 407	1512, <u>KAD</u> 546
1932, L Ang-a	1928, <u>KBU</u> 685	7: 1952, <u>Cleveland</u>
1936, L Ang-b	1935, <u>KAD</u> 471	8: 0504, <u>KAD</u> 471
1941, <u>KTG</u> 511	1937, <u>KAA</u> 979	10: 0645, L Ang-a
19--: <u>KPB</u> 952	1938, <u>KFM</u> 306	0655, <u>KQE</u> 257
2120, <u>32.96 F2</u>	1940, <u>KAA</u> 449	(5-20: 1605, <u>KAD</u> 468)
22: 0244, <u>KIN</u> 645	1945, <u>KAB</u> 607	

KAA 241 37.10 Nevada, IA-cp	KDN 407 35.22 Col. Sps, CO
KAA 317 37.10 Primghar, IA-cp	KDP 456 37.26 Decatur, TN-cp
KAA 414 37.10 Sac City, IA-cp	KDY 372 37.26 Lafayette, TN-cp
KAA 441 37.10 Sidney, IA-cp	KFB 952 37.26 Jacksboro, TN-cp
KAA 449 37.10 Eldora, IA-cp	KFL 936 35.58 (west)
KAA 474 37.10 Webster City, IA-cp	KPL 943 35.58 Las Vegas, NV
KAA 521 37.10 Spencer, IA-cp	KFM 306 37.10 Tama, IA-p
KAA 585 37.10 Marshalltown, IA-cp	KGT 462 37.10 Johnson Co, IA-cp
KAA 747 37.10 Webster City, IA-cp	KGW 793 37.10 Cascade, IA-p
KAA 860 37.10 Grundy Center, IA-cp	KIC 407 37.26 Murfreesboro, TN-p
KAA 879 37.10 Adel, IA-cp	KID 651 37.26 Cookeville, TN-p
KAA 893 35.22 St. Louis, MO	KIE 953 35.58 Atlanta, GA
KAA 947 37.10 Centerville, IA-p	KIP 651 35.58 Ft Lauderdale, FL
KAA 948 37.10 Clinton, IA-p	KIG 585 37.26 Madisonville, TN-cp
KAA 979 37.10 Oskaloosa, IA-p	KIH 982 37.26 Carthage, TN-cp
KAA 985 37.10 Marshalltown, IA-p	KIJ 489 37.26 Manchester, TN-cp
KAB 223 37.10 Newton, IA-p	KIJ 764 37.26 Dayton, TN-cp
KAB 264 37.10 Cresco, IA-cp	KIK 394 37.26 Jasper, TN-cp
KAB 266 37.10 Carroll, IA-cp	KIL 431 37.26 Morristown, TN-cp
KAB 454 37.10 West Union, IA-cp	KIL 722 37.26 Covington, TN-cp
KAB 574 37.10 Marengo, IA-cp	KIM 476 37.26 Rogersville, TN-cp
KAB 607 37.10 Guthrie Center, IA-cp	KIM 905 35.22 Charlotte, NC
KAD 308 37.10 New Hampton, IA-cp	KIN 645 35.22 Miami, FL
KAD 407 37.10 Northwood, IA-cp	KMA 829 35.58 San Diego, CA
KAD 417 37.10 Audubon, IA-cp	KME 438 35.22 Orange, CA
KAD 468 37.10 Allison, IA-cp	KOE 257 35.22 Phoenix, AZ
KAD 471 37.10 Mt Pleasant, IA-cp	KQA 459 35.42 Lima, OH-mp
KAD 472 37.10 Osceola, IA-cp	KQC 877 35.58 Cincinnati, OH
KAD 505 37.10 Garner, IA-cp	KQC 884 35.58 Detroit, MI
KAD 546 37.10 Forest City, IA-cp	KQI 316 33.90 Cincinnati, OH-f
KAD 756 37.10 Waterloo, IA-cp	KSC 645 35.58 Chicago, IL
KAD 761 37.10 Onawa, IA-cp	KSQ 453 37.26 Kingsport, TN-cp
KAE 697 37.10 Anamosa, IA-cp	KSV 732 37.26 Celina, TN-cp
KAF 228 37.10 Manchester, IA-cp	KTG 511 37.26 Midtown, TN-cp
KAF 474 37.10 Grinnell, IA-p	- 35.42 Cleveland, OH-mp
KAG 641 37.10 Atlantic, IA-cp	- 35.42 Ironton, OH-mp
KAI 927 35.34 Denver, CO	- a-35.38/b-35.46 Los Ang, CA-mp
KAL 561 37.10 Dyersville, IA-p	- 35.58 OK City, OK
KAQ 606 35.58 Denver, CO	- a-35.38/b-.46 San Diego, CA-mp
KAY 966 37.26 Dunlap, TN-cp	
KBS 994 37.26 Dickson, TN-p	
KBU 685 37.10 Council Bluffs, IA-cp	

73. Pat

WA5IYN

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

July 1976

May B-skip dates:	3	5	6	10	11	12	13	14	15	17	18
number of reporters	1	2	2	4	1	3	2	1	5	5	4
MUP to at least:	ch 3	6	3	6	4	4	4	3	6+	3	4

19 20 21 23 25 26 27 29 30 31
1 2 4 2 2 2 1 1 2 5
3 2 4 5 3 5 2 2 3 6+

As activity, which showed a lot of promise in mid-May, slowed down May skip openings were generally disappointing. However, June so far has presented us with some good-to-excellent skip openings—and what has up to now been a so-so season isn't quite over yet. There's not much to speak of in the way of trope, with the exception of a super morning opening noted on 6-10 by Bob Saybold.

Ready Dorman 8113 Spanlading Circle Severn, Maryland 21144 (EST)
"Well for the first time I'm going to report. I've been in TV DXing since December of '75 so I don't have much experience. I don't have anything elaborate, just a SHARP 2W250 and I use the antennas that came with it. I've never experienced Bs yet but I'm waiting. Hopefully I'll be able to report next month. 73s" (Thanks for the report, and welcome -bt)

December 1975
3 Tr 2100 WHPB-53 VA 29 Tr 2100 WHYY-12 DE 16 Tr 0010 WPMI-6 PA
14 2050 WZLW-29 PA April 2115 WKBS-48 PA 19 1955 WAVY-10 VA
2100 WCPB-28 MD 15 Tr 2005 WBOC-16 MD 2000 WERA-15 VA
2100 WCPB-28 MD 2330 WYAH-27 VA 2100 KYW-3 PA
March 1976 2330 WLVJ-39 PA
29 Tr 2055 WPHL-17 PA 16 0000 WXXI-8 VA 2340 WJLT-52 NJ

Bill Grant 67 Brattle Street Worcester, Massachusetts 01606 (EST/EDT)
January 31 Bs 0902 Kalo-Rebelle-3 Holguin CUBA
4 Bs 1100 WMT-2 Cedar Rapids IA 0905 TV National-3 Santa Clara CUBA
6 2300 KPGA-2 St Paul MN 0915 TV National-2 Habana(?) CUBA
2310 KGLO-3 Mason City IA 0930 WPBT-2 Miami FL
2330 KUSD-2 Vermillion SD

June
10 1100 WBDU-3 Tampa FL 1 Bs 1300 KTVC-3 Ottumwa IA
13 1800 KYTV-3 Springfield MO KTWS-2 Tulsa OK
1822 KTVI-2 St Louis MO 1305 WMT-2 Cedar Rapids IA
1325 WISN-3 Madison WI
1355 OKPR-2 Thunder Bay Ont
1408 KDAI-3 Duluth MN
1835 unID-3 OURA

April
25 Bs 1230 KQTV-2 St Joseph MO 1230 WBSH-2 Daytona Beach FL
1300 KTVC-3 Ottumwa IA 1940 KYTV-3 Springfield MO
2228 WEAR-3 Pensacola FL
1230 WBSH-2 Little Rock AR
1815 WPBT-2 Miami FL
1330 KETS-2 Little Rock AR
1800 KARD-3 Wichita KS
19 1230 WEAR-3 Pensacola FL
31 0900 WTHS-2 Miami FL

May
12 Bs 1720 TV National-3 Santa Clara CUBA 4 1230 WBSH-2 Daytona Beach FL
1815 WPBT-2 Miami FL 6 1940 KYTV-3 Springfield MO
15 1330 KETS-2 Little Rock AR 2228 WEAR-3 Pensacola FL
18 1000 KARD-3 Wichita KS 2255 WLBZ-3 Jackson MS
19 1230 WBSH-2 Little Rock AR 7 2030 WSAV-3 Savannah GA
31 0900 WTHS-2 Miami FL

"Nothing very spectacular in the way of DX to report so far this year. The most interesting DX has been the Cubans with a good photo of Tele-Rebelle's TP obtained. The skip has found it difficult reaching ch 2 but has had better success during early June."

Scott Levitt 328 Rahway Avenue S. Plainfield, NJ 07080 (201)757-4351
March 19 Tr 0627 WWTB-12 Richmond VA (270)
23 Tr 2300 WTKH-8, WATR-20, WBDW-49 0634 WBFP-45 Baltimore MD (146)
Hartford U's, WSHN-27 MA, 0642 WDCA-20 Washington (174)
WPRI-12, WSEK-38 0650 WYAH-27 Portsmouth (292)
Scranton-Wilkes Barre U's

April 0700 WCPB-28 Salisbury MD (167)
10 GW 0045 WJAA-57 New York City (49) WAPB-22 Annapolis MD (124)
"My first translator." 0705 WCVB-57 Richmond VA (270)

19 Tr 0525 WAVY-10 Norfolk VA (285) **May**
0530 "Washington (174) and 10 Bs 2005 unID-2 "zero offset"
Baltimore (146) highband-ers and WTR-5" unID-2 "plus or minus"
0540 WXXI-8 Petersburg VA (270) 12 1500 WTHS/WPBT-2 Miami (1083)
0600 WGAL-8 Lancaster PA (103) ICR-2 Havana CUBA (1331)
0605 WYHC-13 Norfolk VA (285) 13 1730 WBSH-2 Daytona Bah (874)
0620 WBOC-16 Salisbury MD (167) WBDU-3 Tampa FL (980)

Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (HDT)

May
10 Es? 1950 unID-2 "two stns o/WPBT" 17 Es 1430 KTVO-3 Ottumwa/Kirksville
11 Tr 2100 WBBH-20, WMFB-24, WTVX-34, 21 1341 WBBH-2 Chicago (1115) 1795km
WSWB-35, WILT-40, WTOG-44, unIDs to ch 4
WEVU-26 FL WAVE-3 Louisville KY 5542R
2105 W69AA-69 "traces" T 22 Tr 0630 WBBH-20, WMFB-24, WEVU-26,
12 Es 1815 WMAR-2 Baltimore MD 3421R WTVX-34, WTOG-44 FL
WCBS-2 New York City T Es? 1300 unIDs on 3
WSYR-3 Syracuse NY 4422R 29 Tr 0700 WBBH-20, WILT-40, WTOG-44,
1850 unID 2,3,4 "Spanish (prob- W64AD-64" rebr: WDBO-6"
ably Mexico)" 0737 WEVU-26, WMFB-24, WTVX-34,
1925 KIII-3 Corpus Christi TX unID-3 "10 kHs o/WEDU-3"
1935 WPSX-3 Clearfield PA T 31 Es 1128 unID-2 "Spanish...ads"
1950 unID-2 "CANAL 5 net???" 0945 WTWO-2 IN (960) 1550km
2030 unIDs 2,3 "Spanish dramas" unID-3 RTV
2050 TGV-3 Guatemala GUATMALA WFSB-3 Hartford CT 0411R
"FIRST Es IN 4 MONTHS!!!!!" 1015 KTVI-2 MO (1000) 1615km
15 Tr 2310 W69AA-69, WBBH-20, WMFB-24, 1100 KTVF-3 Springfield MO T
WEVU-26, WTVX-34 FL 1118 KIII-3 Corpus Christi 2111R
17 Es 1430 KTVI-2 St Louis MO T 1300 unIDs 3,4
"Ah...Es again!!! Note TGV-3 is on the air (I got them 1 June in color)
after the earthquake...73's etc."

Thomas J. Klingling, Jr. 221 Pinewood Road Baltimore, Maryland 21222 (HDT)
"Phone # 1a (301) 282-5649 week-days after 5:30 p.m. HDT, the rest anytime!
Antennas used: Lafayette 36-element log-periodic type & 5' dish with pre-
amp. On VHF-TV ch 2-6 Channel Master tuneable trap, and a Winegard ch 2-13
preamp model BO-234. New loggings underlined, rest are relogs..."

May
8 Es 0211 WTWO-2 Terre Haute (560)
0215 WBBH-2 Chicago IL (600)
0220 KCKT-2 Gt Bend KS (1150)
0224 WJME-2 Detroit MI (450)
0232 KSD-5 St Louis MO (730)
0245 KMOX-4 St Louis MO (730)
11 Es 1700 (ICR6)-3 Santa Clara CUBA
1715 WJXT-4 Jacksonville (650)
1730 WTVJ-4 Miami FL (950)
1800 WMAR-2 State College (750)
13 1050 KHTX-3 Bryan TX (1210)
1120 KTB3-3 Shreveport (1100)
1130 WNL-4 New Orleans (1100)
1200 KJAC-4 Port Arthur (1150)
1230 KMOX-4 St Louis MO (730)
1300 KTVO-3 Ottumwa IA (800)
18 0148 KTVI-2 St Louis MO (730)
0150 KARD-3 Wichita KS (1100)
0200 (KTVI)-4 OK City (1150)
0210 WBBH-2 Chicago IL (600)
0219 KCKT-2 Gt Bend KS (1150)
30 Es 0200 KTVI-2 St Louis MO (730)
0205 WJME-2 Detroit MI (450)
0230 WMT-2 Cedar Rapids (800)
WBBH-2 Chicago IL (600)
0240 KMTV-3 Omaha NE (1000)
June
5 Es 1600 KMOX-4 St Louis MO (730)
1700 WREB-3 Memphis TN (750)
1730 KFSW-2 Tulsa OK (1050)
1740 KATC-3 Lafayette LA (1100)
1800 (ICR6)-3 Santa Clara CUBA
6 0200 WTWO-2 Terre Haute (560)
1800 KCMO-5 Kansas City (950)
1820 KMTV-3 Omaha NE (1000)
1830 KVAR-4 Big Spring (1450)
1900 KSNE-4 Superior NE (1100)
7 2000 WEDU-3 Tampa FL (1000)
2010 KATC-3 Lafayette LA (1100)
2030 WRRZ-2 Baton Rouge (1100)
2040 WNL-4 New Orleans (1100)
2050 KTVG-6 Dodge City (1150)

Wayne Fitzgerald 718 Leesville Road Lynchburg, Virginia 24502 (HDT)

May
5 GW 2300 WCVB-57 Richmond VA (98)
WBAE-78 Rustburg VA (10)
15 Es 1300 KCKT-2 Gt Bend KS (1059)
KARD-3 Wichita KS (982)
1330 KDAF-5 Pueblo CO (1372)
1345 KDAF-5 Denver CO (1383)
1400 KIMS-3 Lexington NE (1112)
KNOP-2 N Platte NE (1171)
17 2330 KTCa-2 Minneapolis (883)
21 2200 KTV3-3 Sterling CO (1295)
KNOP-2 N Platte NE (1171)
23 Tr 1100 WOAY-4 Beckley WV (113)
WDTV-5 Weston WV (141)
23 Tr 1100 WHIS-6 Bluefield WV (106)
1200 WKKA-2 Pittsburgh PA (221)
WSWP-9 Grandview WV (110)
Es 1500 KCKT-2 Gt Bend KS (1059)
31 1040 (ICR6)-3 Santa Clara CUBA
June
3 Es 1045 Tale Rebelde-3 Holguin CUBA
1050 Tale Rebelde-3 Santiago CUBA
1055 unID-5 CUBA
unID-2 CUBA
1125 WTHS-2 Miami FL (840)
1130 WTVJ-4 Miami FL (840)
1300 WVAR-3 Pensacola FL (675)

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EST/EDT)

April						1	Es	1330	KTBS-3	Shreveport LA	R	
14	Tr	2100	WBGU-57 BowlingGreen OH	R		3		0940	TV National-3	Santa Clara CUBA		
		0115	WCDC-19 Adams MA	R				0950	WEDU-3	Tampa FL	R	
17		2030	WLVT-39 Allentown PA	R				0959	WRBL-3	Columbus GA	R	
21		0045	WMHT-17 Schenectady NY	R				1000	WPTV-5	W Palm Beach FL	R	
			WCDC-19 Adams MA	R		4		1300	WEAR-3	Pensacola FL	R	
30		1720	WKBS-48 Philadelphia PA	R					WRBL-3	Columbus GA	R	
		1722	WTVT-53 Annandale VA	R					KFDX-3	Wichita Falls TX	R	
			WDCA-20 Washington DC	R				1305	WKRG-5	Mobile AL	R	
		1724	WHP-21, WTPA-27 Harrisburg					1320	KAUZ-6	Wichita Falls TX	R	
		1725	WLVT-39 Allentown PA	R					KALB-5	Alexandria LA	R	
May									1325	KTBS-3	Shreveport LA	R
5	Es	1245	unID-2, 3, 6 southwest						1330	WDSU-6	New Orleans LA	R
6		1325	KTBS-3 Sterling CO	R		5			1630	WEDU-3	Tampa FL	R
	Tr	1848	WPSX-3 Clearfield PA	R		7			1058	WSAV-3	Savannah GA	R
	Es	1848	unID-5 CCI west						1130	WLBT-3	Jackson MS	R
	Tr	1715	Philadelphia, Allentown, Trenton, Harrisburg U's						1155	KARD-3	Wichita KS	R
7		1255	WJAC-6 Johnstown PA	R					1345	KCKT-2	Great Bend KS	R
			WPSX-3 Clearfield PA	R					1500	KONE-3	Lexington NE	R
		1330	WTMJ-10, WTIC-11 PA	R					1511	KDAL-3	Duluth MN	R
		1340	WOPC-38, WPGH-53 PA	R						CEWFT-3	Winnipeg Man	R
10	Es	2000	KITV-3 Springfield MD	R							"Last logging; went on a dumb fishing trip, only to find out when returned that I missed a few new loggings (Damn!)."	
			KFDX-3 Wichita Falls TX	R							(Every Dker who's also an avid fisherman knows the rest of this story: the fish weren't biting, too! -bt)	
15		1200	KFTV-3 Omaha NE	R								
			KTBS-3 Shreveport LA	R								
			KFDX-3 Wichita Falls TX	R								
		1300	WLBT-3 Jackson MS	R								
17		1921	unID-2 south "w/news"									
25		1728	unID-3 S.W. "Bewitched"									
26		1330	KOTA-3 Rapid City SD	R		8	Tr	2300	CHLKT2-40 London Ont		R	
		1400	KNEO-3 Watertown SD	R					CCOY-42 Oil Springs		R	
		1415	unID-3 "Northwest markets"						CIOO18-18 London Ont		R	
27	Tr	1815	WBGU-57 BowlingGreen OH	R		11	Es	2345	KINE-3 Lexington NE		R	
31	Es	0940	TV National-3 Santa Clara CUBA			12		0145	unID-3 west "w/J. Carson"		R	
			ex-CME					1300	WPTV-5	West Palm Bch FL	R	
		1014	unID-2 "CCI South"						WDBO-6	Orlando FL	R	
June									WEDU-3	Tampa FL	R	
1	Tr	0200	WRNY-7 Watertown NY	R					1915	Pt Wayne, Bowling Green		R
	Es	1255	KFDX-3 Wichita Falls TX	R					1930	Toledo, BattleCreek, E Lansing		R

Bob Seybold Bennett Road Dunkirk, New York (EDT).

*Just a small report (expect big one next time) to let all know I am still DXing but due to heavy work schedule and numerous activities DK has been limited (I doubt if I missed much). (There wasn't too much to miss -bt)

May
15 Es "B-skip to south—Florida, Carolinas, Georgia, Alabama, channels 2-6. General lull except for occasional unIDs on channel 2 till 5-26."
26 "B-skip to Dakotas: KUSD-2 KDIY-2 KDLO-3, unID-4 & 5."
31 "On camping trip—noted some skip on portable TV (no outside antenna)—including Cuba on 6 and other unIDs—probably Florida."

June
1 to 6 "Some skip in this period especially on 4th—heavy skip in AM into mid-afternoon, Texas, Arkansas, Oklahoma, Louisiana, Florida, Mississippi, Alabama, Georgia—all channels 2-6. Some seen include KETS-2 WBRZ-2 WEDU-3 KATC-3 KWS-5 KTBS-3 KFTV-5 WDSU-6 etc., Cuba."
6 Es "Some skip in evening—Florida & other unIDs."
7 "Good opening noted at 0900 till mid afternoon—Texas, Louisiana, Oklahoma, MS and others in South—probably best opening so far..."
Tr "Evening—CHLFT2-40 London, Ont. testing new station—\$ 700 for me."
10 "Good tropo opening 0600-1100: WCFL-38 Chicago IL, WKBS-11 WEYI-25 WKAR-23 WUCM-19, IN U's—South Bend & Ft Wayne, WUHQ-41, Detroit U's, WPTV-18 Milwaukee, many others including Michigan & OH V's & U's."
"Final note—Canadian U's on CN Tower greatly improved—London 18 in good much of time and 28 (CICD28) always good—Ottawa 24 rec'd often. Ottawa on 9 (CBOFT)—and CJOH-13 in a couple times lately. Hope to have more to report next month. Expect to attend 1976 Chicago WFFDA convention."

Bill Thompson 1907 Seneca Street Buffalo, New York 14210 (EDT)

May				7 Es	1510	CBWFT-3	Winnipeg Man	
17 Es	1920	unID-2 thru WGR-2, which was on low power auxiliary xmr until approx. 2030; unIDs on 3 occasionally			1525	KGFB-2	Grand Forks ND	T
					1600	KTVS-3	Sterling CO	
					1858	WESH-2	Daytona Beach FL	
					1900	WEDU-3	Tampa FL	
18	0003	WSB-2 Atlanta GA				WPBT-2	Miami FL	
20	2055	unID-2 south			1952	WRFL-3	Columbus GA	
LS	2245	hvy thunder storms over NW PA; most eastern OH & western PA U's noted			1957	KARD-3	Wichita KS	
					1959	KATC-3	Lafayette LA	
						KCKT-2	Great Bend KS	
21 Es	2130	unID-2 CGI to west			2000	KTV-4	Sioux City IA	
23	1820	unID-2 steady ϕ CGI S.W.			2013	KSNB-4	Superior NE	T
25	1733	KCKT-2 Great Bend KS			2029	KTV-6	Dodge City KS	
27	2219	unID-2 CGI southwest			2050	KDAA-5	Pueblo CO	T
30	2100	unID-2 south			2059	KCKT-5	Imbuck TX	
June						KERN-3	Portales NM	T
1 Es	0845	unIDs on 2			2200	KCKT-2	Great Bend KS	
3	0948	ICR6-3 Santa Clara CUBA		GW	2303	CHLPT-40	London Ont(120)	
	0950	WEDU-3, WTHS-2 tentatives					testing w/sine square	
	1000	WPTV-5 West Palm Beach FL		9 Es	1800	unIDs 2,3 west		
4	1429	KCKM-6 Temple TX		10	1950	unID-2 south		
	1430	KALB-5 Alexandria LA		11	2329	KMTV-3	Omaha NE	
	1500	KFDX-3 Wichita Falls TX				KLMB-3	Lexington NE	
		KTBW-2 Tulsa OK			2330	unIDs to ch 5		
	1510	KAUZ-6 Wichita Falls TX		12	1300	WEDU-3	Tampa FL	
	1559	WRAR-3 Pensacola FL				WBDO-6	Orlando FL	
	1600	WDIQ-2 Dozier AL	T		1326	WPTV-5	West Palm Beach FL	
	2030	WPBT-2 Miami FL			1400	WNAX-3	Wilmington NC	
Tr	2330	Pt Wayne U's (345)		Tr	1830	Pt Wayne U's (345)		
5 Es	1358	WSB-2 Atlanta GA			2210	WHQ-4: Battle Creek(310)		
	1630	WEDU-3 Tampa FL				WKAR-23 E Lansing MI(285)		
6	1800	unIDs 2 & 3 to south				Detroit U's v/ strong		
1939		WLBT-3 Jackson MS		13	0156	CHNB-4 North Bay Ont(235)		
		WCHI-4 Columbus MS	T			hvy CGI on 9 from CKNC		
	1958	WPTV-5 West Palm Beach			0548	CHBST-7 Sturgeon Falls		
		WBRC-6 Birmingham AL			0600	CKSO-5 Sudbury Ont (240)		
	2000	WEDU-3 Tampa FL		16 Es	1700	CHBT-3	Halifax NS	
	2016	WDSU-6 New Orleans LA	T		1718	CKCW-2	Moncton NB	
	2030	WKRG-5 Mobile AL				ATV nx thru local		
		WRAR-3 Pensacola FL			1719	CJCH-5	Halifax NS	
		KTHS-3 Shreveport LA			1730	CJCH-6	Caledonia NS	
	2100	WMAB-2 State College MS			1759	WUPT-5	Gainesville FL	
	2216	skip back up to ch 6				WEDU-3	Tampa FL	
7	1130	WLBT-3 Jackson MS			1805	WJLT-4	Jacksonville FL	T
		KALB-5 Alexandria LA			1811	WBDO-6	Orlando FL	
	1155	WMAB-2 State College MS	T		1816	WZAV-3	Savannah GA	
	1159	WBRC-3 Memphis TN			1821	WESH-2	Daytona Beach FL	
	1200	WJBR-6 Augusta GA			1829	WPTV-5	West Palm Beach FL	
	1230	KYTV-3 Springfield MO				WBRC-6	Birmingham AL	
	1258	WSB-2 Atlanta GA				CJON-6	St John's Nfld	
	1259	KARD-3 Wichita KS			1955	WCLX-6	Miami FL	
	1359	KLMB-3 Lexington NE			2000	WDIQ-2	Dozier AL	
		WMT-2 Cedar Rapids IA			2030	ICR6-3	Santa Clara CUBA	T
	1406	KMTV-3 Omaha NE				WRAR-3	Pensacola FL	
	1500	KDAL-3 Duluth MN					unIDs to 2130	

Also noted in this reporting period were numerous relogs of U's under 300 miles, especially those along the Lake Erie tropo slot. WBGU-57 and the Toledo U's have been in almost daily. Such lake-effect tropo is almost always very strong—but not too exciting, since it always brings in the same old stuff. Have been using phasing system consisting of two Archer V-100's, Belden 9243 coax, and Jerrold 1592B combiner. Results have been good on local ch 2 (in fact, some skip has even buried WGR-2 without the aid of antenna phasing this season), but haven't seen much thru WBBN-4.

Jim Alexander 195 N. Beverwyck Road Apt. 10 Lake Hiawatha NJ 07034

June (times EDT)		4 Es	1117	WTHS-2 FL	6 Es	2030	KYTV-3 MO
1 Es	1330	KDAL-3 MN	1125	ICR6-3 CUBA	7	1130	KYTV-3 MO
					8	1900	WRAR-3 FL

WESTERN TV-DX

July 1976

Dennis Park Smith
50 Manzanita Way
Paradise, California 95969
Telephone 916 877-2975
Paradise deadline: 10 July
Enid, OK deadline: 10 Aug.

As you can see by the deadline notice, there will be a change. Next month will be this editor's last Western TV-DX column. The September column (10-Aug deadline) and future columns will be conducted by Doug Everitt, 1708 W. Maine Avenue, Enid, OK 73701. It is possible that Doug will be moving to another address, but we will inform you in that case. More details about this announcement will be given next month.

Pat Dyer had sent a report in March which should have been in the April column, but through various slip-ups along the way, it did not get published as intended, so here it is below.

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228				(7 Feb - 7 Mar) (CST)	
Equipment: 1971 model 9-inch black-and-white Penncrest; Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor				(N = new; T = tentative)	
F2 tr	1200 WBRZ	2 LA	450	2115	WCNO-26 LA T 510
	1227 KPLC	7 LA	325		WBRH-20 FL T1040
Es	1245 WBBH	2 IL	T1045		WINK-11 FL T1040
	1310 KGNE	2 ND	T1240		WXLt 40 FL T 990
	1335 f/out				WRBT 33 LA T 450
	1535 KTCA	2 MN	T1110		WAPT 16 MS T 525
	(Ø to KPRC-2)			2120	WTOG-44 FL T 985
	1610 KLINE	3 NE	T 785	2155	WAFB- 9 LA T 450
	1630 f/outs				WAFB- 9 LA T 450
tr	2030 KERA	13 TX	T 250	2110	WJTV 12 MS T 525
	WJTV 12 MS		T 525		WAPT 16 MS T 525
	(Ø to KSAT-)	(Ø to KLRN)		23 tr	2228 KHAB- 7 Tamp T 250
	WAFB- 9 LA		T 450	2305	KPLC- 7 LA T 325
	KCTK-39 TX		T 250	2335	WRBT 33 LA T 450
	2110 WLPB	27 LA	T 450		WLPB 27 LA T 450
	2215 WRBT	33 LA	450	24 tr	0910 WLPB 27 LA T 450
	2223 WAPT	16 MS	525		WRBT 33 LA T 450
	2235 WMAW	14 MS	620		KEMT-12 TX T 275
	WMAH	19 MS	570		KPLC- 7 LA T 325
	WMAU	17 MS	470		WRBT 33 LA T 450
	WMAA	29 MS	525		WLPB 27 LA T 450
	2245 XZFB	3 NL	T 275	2230	WMAU 17 MS T 470
10 tr	0055 KKAS	5 TX	240	2320	WAFB- 9 LA T 450
	0100 WBRZ	2 LA	450		KEMT-12 TX T 275
	0102 WTVV	9 MS	665		WERZ 2 LA T 450
	KATV	7 AR	515	25 tr	0245 WCNO-26 LA 510
	0105 KPLC	7 LA	325	0810	WMAU 17 MS T 470
	0125 KTEM	2 OK	485		WMAH 19 MS T 570
	0131 KNOE	8 LA	440		WMAW 14 MS T 620
	WFAA	8 TX	250		WAPT 16 MS T 525
	0310 WCNO	26 LA	440		WJTV 12 MS T 525
	0648 WJHN	18 AL	795	11 tr	0030 WCNO-26 LA T 510
	WAPT	16 MS	525	Es	1955-2000 2 unId n.w. 27 tr 2313 KPLC- 7 LA T 325
	0650 WMAW	14 MS	620	12 tr	1028 WBBH-20 FL T1040 28 tr 0805 KMCC 28 TX T 340
	WMAU	17 MS	470		1035 WBRZ 2 LA T 450
	WMAH	19 MS	570		KPLC- 7 LA T 325 M1 Es 2213-20 unId 2 north
	WMAA	29 MS	525		WAFB- 9 LA T 450 2312 2.
	WHTV	24 MS	T 620		WINK-11 FL T1040 3 tr 0135 KRCV- 5 TX 235

The Winter Es came to an abrupt end in January with only a few spotty signs of it since. The big event of the period was the Feb 9-10 ducting along with Gulf. Signals were very strong and stable for much of the event. By the time I got with it in the morning the VHF's had already s/on and were too deep to bother with. Some of the U's were 3 deep as it was. 73, WA5IYX.

Now to new business. Both tropo and Es DX have been good, though no really superb or exceptional loggings were noted. Most reporters observed generally good conditions, though some feel, from their locations, that things are a bit below par. The DXers own comments tell the story in their reports, after the Es chart for May and vicinity.

Es/surora	ave	Es	am	ave	am	am	aft	ave	am	aft	ave	aft	ave	am	aft	ave	mid+	am	aft	am
Date 1976	Apr	30	May	2	2	3	4	4	4	5	5	5	6	6	7	7	7	8	8	9
Mr. reporters	2	1	1	1	1	1	1	2	2	4	1	2	2	1	2	1	1	1	1	1
MUF at least	5	2	2	5	2	2	2	2	6	2	4	3	5	897	3	4	2	6	2	2
aft	am	aft	ave	am	aft	ave	am	aft	ave	am	aft	ave	am	aft	ave	ave	am	aft	ave	am
Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es
9	10	10	10	11	11	12	12	12	13	13	14	14	14	15	15	15	16	17	17	18
2	1	1	4	2	2	5	3	3	4	1	1	1	2	5	4	1	2	3	1	5
3	887	3	5	PM	1015	897	3	985	903	2	3	2	979	4	899	1025	2	999	21071	x91
am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am
Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es
19	19	19	20	20	20	21	21	22	22	23	23	23	24	24	24	24	24	24	25	25
1	1	4	1	2	1	1	4	2	2	4	3	3	1	1	1	1	1	2	1	2
2	5	6	4	4	3	885	897	4	5	4	893	4	3	2	2	4	4	2	2	4
aft	ave	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave
Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es
25	25	26	26	26	27	27	27	28	28	28	29	29	29	30	30	30	31	31	31	31
3	3	2	3	1	1	3	1	3	1	3	2	1	1	1	1	2	4	2	4	2
941	3	917	4	987	2	6	2	2	3	4	1079	5	4	4	2	2	4	1067	5	
am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am	aft	ave	mid+	am
Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es	Es
Jun	1	1	1	2	2	2	2	3	3	4	4	5	5	6	6	7	7	7	7	7
6	3	956	4	4	939	4	4	971	14673	1073	4	3	4	6	989	6	979			

Patrick Martin, PO Box 14192, Portland, Oregon 97214

(Feb - 5 Jun)

(PDT)

Receiver: 21-inch black-&-white Philco Antennas: 10-element FM yagi, homebrew 6-element high-band (?-13), homebrew multi-element UHF yagi

Here is a report, with some DX seen, in early June.

Jun 1	tr	2330	KIRO- 7	Seattle WA	150 mi	CBS movie	semi-reg.
2	tr	1300	KOMO- 4	Seattle WA	150 mi	ABC spot-Id	regular
		1600	KING- 5	Seattle WA	150 mi	NBC Id	regular
	Es	2300	KPRV	4 Pierre SD	1100 mi	NBC news Id	s/off 2315
		2330	KMTV?	3 Omaha NE ?	1100 mi	NBC Tomorrow Show	No Id
	1/2	tr	2335	KTVM 11	Tacoma WA	130 mi	Spot Movie
		2359	KZZI	9 Eugene OR	100 mi	Spot	
	5	tr	0016	KVAL-13	Eugene OR	100 mi	Spot Rock Concert

I was very surprised to receive KPRV-4 Pierre. It is satellite of Ch-13 Sioux Falls and have been on air only since 2-1-76. Video was excellent for almost 1/2 hour, but no audio. I caught ID on s/off. I sent for a verie on this one. I wish I had had my camera handy at the time. The FM antenna (10-el.) works quite well on skip. Would a 4- or 5-element antenna cut for ch. 3 or 4 work any better? If so, I wonder how much. Does anyone have ideas?? That does it for this time. 73's.

Jim Pisai, 300 Park, Orcutt, California 93454

(11 May - 7 Jun)

(PDT)

11	Es	1700	KTWO- 2 WY (MUF 90.9)	1128	KOA- 4 CO	1833	KOMO- 4 WA		
			KNOP- 2 NE	1130	KWGN 2 CO	1910	KBCI 2 ID		
		2000	KUSD- 2 SD(in alone)		KREX- 5 CO ?	tr	1915	KGTV 10 SanDiegoCA	
12	Es	1200	KMID- 2 TX east- 3-4(KWAB/KACB)	1200	KTWO- 2 WY (Id also 1230)		KFMB- 8 "		
			1725 east- 2-3-4 TX	1236	KUTV 2 UT	Es	1928	KTWO- 2 WY	
			1735 east- 5 (KENS?)		KTVQ 2 MT		2000	KTVQ 2 MT	
			1736 KPRC- 2 TX 4544W	1300	KBCI 2 ID		(Id sgn 2029)		
			1800 KMID- 2 TX 5545		KRTV 3 MT		2035	KTVS 3 GO	
			1825 KENS- 5 TX		KILP- 4 MT		2059	KMID- 2 TX	
			1830 KMOL 4 TX		KAUD 4 ID ?		2130	KPBS- 2 tent.	
			1833 KAUZ-6 (2nd-KSBY) (MUF 90.3)	1306	KID- 3 ID	15	tr	am	KFMB- 8 SanDiegoCA
			1902 XHQ - 3 Culican	1330	KAUD 4 ID			KCTV 10 "	
			1908 XHL-2 (Archie)		KPHB- 5 MT			KCST 39 "	
			1930-4 2,4 Canal-2net (XEPF/XHW,XHRS?)		(MUF 97.9)	Es	1439,50	2 unids	
			2005 f/out	1815	t/in	tr	1925	XETV 6 Tijuana	
14	Es	0900	KMID- 2 TX	1829	KLLY- 4 WA		(ch&10all day,excellent		
					KAFU 2 OR	16	tr	am	(same,exc.again)
				1830	KHEM- 2 WA		1110	KMST 46 Mont.CA	
				1831	CBUT 2 BC		1226	KCST 39 SDiegoCA	

16(tr) 1226 KPBS-15 SDiego CA
 2121 KGGC 36 4555 CA
 17 tr SDiego8, 10f air, all day
 KCST 39 inkout
 18 tr 1006 KGO - 7 Okla. CA
 1540 KRON- 4 SFran CA
 KPIX 5 "
 KTVU 2 Oakl. CA
 Es 1955-2016 2, 4 un, TX, Sp.
 2129 KMID- 2 TX
 (f/out 2220)
 19 Es 1959 KDIX- 2 MD
 2048 n.e. 5
 KTSW 2 OK
 2113 unId 2 (NBC)
 20 Es 0005 KTVQ 2 MT(s/off)
 22 Es 1219 east 2-4 TX?
 1231 KTVY 4 OK
 1659 KTVQ 2 MT
 1959 KNOP- 2 NE
 2000 KUSD- 2 SD
 23 Es 0018 CFAC- 2 Alta
 (Id 0034)
 0034 CHBC- 3 BC ?
 1030 unId 2 Spanish
 1134 unId 2 Sp, e.s.e.
 1155 KMID- 2 TX ?
 24 Es 2010 KTSW 2 OK
 1014 KTVY 4 OK ?
 27 Es 0914-58 2, 4 e.n.e.
 1030 KNOP- 2 NE
 1100 KTVS 3 CO
 1130 KTVQ 2 MT
 1131 KID - 3 ID
 1200 KTVM 6 MT ?(8-KSBY) 1/2 Es
 1229 KSL - 5 UT
 1234 KDUH- 4 NE
 KUTV 2 UT
 1300 KTHO- 2 WY
 KXLF- 4 MT
 KRTV 3 MT
 1330 KDIX- 2 MD
 1430 n.e. 2
 1225 east 2
 1930 CFAC- 2 Alta
 2132 KMID- 2 TX
 2142 e.s.e. 2, 4
 29 Es 0855 KMID- 2 TX
 0859 KACB- 3 TX ?
 0929 east- 4 (KWB?)
 30 Es 1253 KMID- 2 TX
 1329 KMOL 4 TX
 1336 KWB 4 TX
 1359 KACB- 3 TX ?
 31 tr 0020 KRON- 4 SFran CA
 Es 0859 KMID- 2 TX
 0900 KMOL 4 TX
 east- 3-5 TX(?)
 0929 KDBC 4 TX
 0955 KMID- 2 TX
 1028 KHCH- 2 Chih.
 1030 KDBC 4 TX
 3 Es 1826 KPDX- 3 TX ?
 1844 KDFW 4 (Id1900)
 1853 KXAS 5 (Id1911)
 (WUP 97.1)
 1911 KMID- 2 TX
 2020 KMID- 2 TX
 2021-31 2, 4 unIds
 1144 KTVU 2 Oakl. CA
 Es 1656 east- 4 unId
 1658 KMID- 2 TX
 1705 (NBC) 3 20-offset
 (Emergency) WLBt/WRCB?
 6 Es 1040-1120 2-4 e.n.e.
 1130 KCSA- 2 (Id agn1200
 1221 CFAC- 2 Alta
 2143 KMID- 2 TX
 tr 2210 KQED 9 SFran CA
 2214 KBHK 44 "
 KVOP-38 "
 KJSC 36 SJose CA
 2220 KOVR 13 Stockton CA
 7 tr 0120 KSBW- 8 Sal. CA 5555
 (no amp, tower at 30°)
 0131 KRON- 4 (CB, test)
 KPIX 5 SFran CA
 0139 KNTV 11 SJose 4555
 Es 1753 KTHO- 2 WY
 1756 KOT A- 3 SD (Id1859)
 1815 KNOP- 2 NE (Id1828)
 1816 KTVV 5 (NBC) tent.
 1836 KWNB 6 NE (Id1900)
 (u/KSBY, 1st Ch6 Es Id)
 1840 KYCU 5 WY (Id1859)
 1859 KDUH 4 NE
 2002 KWGN 2 CO
 unId 3 (NBC) 20kHz
 (HUP this opening 97.9)

Log total now 165. Brought tower down 5-19 to re-do a few things. Replaced OM-1110 with a Winegard 2026 low-band log and now using a 4-stack of high-band antennas. Have mounted most antennas on a horizontal crossboom, just UHF on center vertical mast.

John Anderson, Box 186, Lowe Farm, Manitoba ROG 1B0 (204 746-8887) (4 May - 2 Jun) (CDT)

Equipment: 1976 Panasonic 12" B&W, Delhi 1057 at 64 feet
 2 tr 0955 KQSD-11 SD1333N302 20 tr 2100 KQSD 11 SD1233 302 28 Es 1400 KMID- 2 TX 1233
 (mistakened for KHSO SD) KCMH 10 MN2333 290 1535 KOAI 2 AZ 1215
 2 Es 2230 KID - 3 ID N800 21 tr 0900 MDIO-10 MN2333 304 22 au 1400-1500 2-4 unids
 2240 KAUD 4 ID 985 1430 KDIX- 2 ND0333 296 2120 KATU 2 OR 1220
 2300 KATU 2 OR 1220 Es 2100-30 unIds 2-5 east 2130 KONO- 4 WA 1150
 KBC1 2 ID 985 2300 KETS 2 AR 1045 20 au 0030-0120 CBX AT 2 Alta 840
 2330 KONO- 4 WA N1150 KARE- 4 AR 1045 tr 1100 MDIO-10 MN2334 304
 14 tr 1700 KCMH 10 MN 290 2352 KPRC- 2 TX 1348 1300 KQSD-11 SD2223 302
 15 Es 1110- KPRC-2 TX N1348 22 Es 0032 KMID- 2 TX 1233 31 es 1130 KTHO- 2 WY5555 625
 1235 KJAC-1 TX N1344 23 tr 1300 KTC A 2 MN0225 360 tr 1200 KDIX- 2 ND2333 296
 MBRZ 2 LA N1337 24 au 0235 KOT A- 3 SD0303NA55 Jni Es 2230-2300 KOB-4 NM 1085
 (all weak, steady sigs) 4-(s/off)-2 KXME 5 NM N1085
 16 Es 1830-1900 east-2 unId 0332 KTVQ 2 MT0303N573 KWNH 2 CO 765
 17 Es 1630 KTVN 2 NV N1284 0455 WJER- 2 N15555N829 KXJ - 5 Chih N1300
 tr 1730 KCMH-10 MN2333 290 (3/4 CB w/Id) 0525 WLMD 2 OH4314 927 2330 KPHO- 5 AZ N1320
 1905 KQSD-11 SD1333 302 0545 KTSW 2 OK2335 918 KWNH 2 CO 765
 Es 1930-40 2-4 east unIds 0571300 KPHI- 2 NC N1266 2 Es 0000 KOAI 2 AZ 1215
 2345 unId 2 south 1340 WUNC- 4 NC N1298 0100 KRON- 4 CA N1477
 18 Es 1700-30 2-4 east unIds 1435 WBTY 3 NC N1276 KTVU 2 CA N1477
 tr 1730 MDIO-10 MN1333 304 1455 WLMD 2 OH 927 0145 alowly
 Es 1830 KVO A- 4 AZ N1364 1700 WNCB 2 TN N1048 deteriorating
 1840 KTVK 3 AZ N1320 25 tr 0230 CKCK- 2 Sask 335
 1900 KMID- 2 TX 1233 Es 2300 KUTV 2 UT(brf)927
 1930 KOAI 2 AZ 1215
 tr 2355 WTCN-11 MN1223 360

Use of a 30-50-MHz radio and signal generator have been a big help, especially on weak tropo and aurora openings. KMOT-10 KIMC-13 Minot ND (200 mi), KXMB-12 KFTH-5 Bismarck ND (235), KMMT-12 Walker (200) are seen almost every day so I won't bother reporting them. Tropo so far has not been good, and no wonder, we're experiencing an unusually dry spell, with nearby Minnesota weather office reporting most extensive drought on record. The skip, however, has been good, with a June-1 session bringing in Mexico for the first time. Log now at 105. 73's.

Fred McCormack, Des Lacs, North Dakota 58733

(6 Apr - 5 Jun)

(CDT)

Heath CB-295, Winegard CW-48

(* - Fargo DX - Broadmoor 9th B&W, rabbit ears)

Fargo DX

W5-Es 2330 unId 2 east

9-Es 1330 unId 2,3

10-Es 1702 unId 2

1900 WGBD 2 SC3332

WPKT- 2 NC0322

Mobile DX - Valley City ND

15-Es 1200 WBRZ- 2 L4333

1443[MUF 102.5 to L4]

Des Lacs

17-Es 1015 KEMW- 3 NH4445 970

(seen until 1230)

1021 KWGN 2 G04433 605

18-Es 1010[MUFed.FM, WV-OH, unId]

18-Es 1510 unId 3

DX time very limited, but conditions have seemed exceptionally poor. 73.

Richard Noel Allen, Billings, Oklahoma 74630

(6 Jan - 31 May)

(CST)

Equipment: Sony KV-1212, with preamplified 11-element VHF log and 44-element UHF

log serials, above 25 feet. Sony TV115, with built-in vertical rod aerial. (New mode)

May 10-Es 1820 unId 3 (CBS) 1300 WB-W- 2 WI 720 21-Es 2010 CKGW- 2 Ont 1170

11-Es MUF: apx 67 Mhz 1810 XEW- 2 DF 1170 1328 unId 4 (CBC) 22-Es 1923 KTVU 2 CA 1340

1835 XE2- 3 Qro 1100 16-Es 1831 unId 2 (CBS) 22-Es 1948 KCR4- 3 CA 1315

12-Es MUF: apx 67 Mhz 17-Es 1705 KBCI- 2 ID 1100 23-Es 1238 unId 2 Mexico

1650 XEW- 2 DF 1170 18-Es 1725 KBCI- 2 ID 1100 29-Es MUF: apx 91.3 Mhz

f/out 1900 1824 KTVQ 2 MT 860 1030 unId 2,3,4,5 Mex.

1725 XE2- 3 Qro 1100 19-Es 1800 XHIA- 2 Cosh 1340 31-Es 0857 WPBT 2 FL 1250

15-Es MUF: apx 98 Mhz 2011 KTVU 2 CA 1315 0858 KESH- 2 FL 1075

0900 WM-W- 2 MD 1160 2012 KCR4- 3 CA 1315 1000 WTHS 2 FL 1250

0930 KDKA- 2 PA 980 2021 KTVN 2 NV 1058 unId 3 Mexico

1100 WLMQ- 2 OH 800 tr 2108 KACS- 7 KS 200 KTVpmax,t/out1300

WTC- 3 OH 930 Es 2118 unId 2,3,4,5,6 (Oops, overlooked this:)

1158 WBEW- 4 NY 1080 Es 2118 unId 2,3,4,5,6 (19-Es) 2012 KHCN- 3 BCN 1060

1220 CKVR- 3 Ont 1070 Mexico

Not much time for serious DX-ing the past few months. I hope to bust the 300 sta-

tions-logged mark this season. Totals to date (6-2-76): 294 stations (Es 123, MS 30, UHF

71) from 40 states, 10 estates, 4 provinces. KCRH-25 Oklahoma City is off the air until

September. Of course, WKY-4 CKCity became KTVI 4 during January. Good luck and mucho DX

Doug Everett, 1708 West Maine Avenue, Enid, Oklahoma 73701

(27 Apr - 22 May) (CDT)

Equipment: Sony KV-1203 Color; Winegard K-10-26 yagi @ 30', Winegard K-10-713 yagi @

40', Pince P-7 dish w/preamplifier @ 35'.

30-Es 1855 WPBT 2 FL Miami (1290) Mary Hartman, minus commercials!

tr 0141 KDFW 4 TX Dallas (260) Eyewitness News

Es 1020 UNId 2-6 Northeast; Lots of garbage...

1030 KYW 3 PA Philadelphia (1250) Hollywood Squares

1041 WPSX? 3 PA Clearfield (1050) German...language lesson?

1100 WGR 2 NY Buffalo (1120) ID

1100 WSYR 3 NY Syracuse (1240) ID

1100 WBEW 4 NY Buffalo (1120) ID

1119 UNId 4 Strong 1st CCI WBEW; To Tell The Truth

1127 CKVR 3 ON Barrie (1040) Leave it to Beaver

1130 CBLT 5 ON Toronto (1080) CBC ID at 1129

1133 CBLT 6 PQ Montreal (1420) Local News; strong 1st CCI

1142 CKGN2-2 ON Bancroft (1200) Global News

1202 CKC02-2 ON Warton (1050) Match Game; f/out 1300

- 7 Es 0930 UnID 2 Mexico; Canal 2 net; f/out 1000
1023 UnIDs 2-6 East-Northeast; f/out before IDs, drat!
- 10 Es 1959 KDKA 2 PA Pittsburgh (1020) All in the Family at 2000
- 11 Es 1035-1300 Mexico 2-6 and FM, vy. stable.
1228 XEW 2 DF Mexico Operacion Convivencia
2017-2320 Mexico 2-5, vy. stable again.
- 12 Es 1025 XEW 2 DF Mexico Another stable opening.
1400 KNXT 2 CA Los Angeles (1150) Noontime News
1407 KEYT 3 CA Santa Barbara (1300) No fade, like local
1800 UnID 3 Mexico; 'Canal 3' ID card, no audio; on for sev. min.
1838 UnID 4 Mexico; i think on Canal 8 net; CCI KTVY
1858 XHJMA 3 Chih. Jarral Very clear ID, like local
1956 XEW 2 DF Mexico ID; this is getting repetitive...
- 15 Es 0904 UnID 2 East; Sesame Street
0922 WRC 4 DC Washington (1170) CCI KTVY
1021 WTTG 5 DC Washington (1170) Carpet Ad; Area FMs in well
1030 WTAE 4 PA Pittsburgh (1020) Only in for a moment
1430 CKCO2-2 ON Wiarton (1050) f/out 1500
- 17 Es 0959 WPBT 2 FL Miami (1290) Changeover to WTHS
1000 WTHS 2 FL Miami (1290) Sign on
1155 WESH 2 FL Daytona Beach (1100) Heavy CCI
1205 WEDU 3 FL Tampa (1080) 'In school teaching service'
- 18 tr 0845 KTVJ 16 MO Joplin (220) Capt. Kangaroo
0850 KMTC 27 MO Springfield (270) Good Morning America
- 19 Es 2034 KTVU 2 CA San Francisco (1340) Star Trek; like local
2042 KCRA 3 CA Sacramento (1300) Local news
2049 KRON 4 CA San Francisco (1340) NBC Nightly News
2055 KVIS 6 CA Sacramento (1300) Fund Drive
2220 UnIDs 2-6 Mexico; CA still in; still in at 2345 hit-hay-time...
- 20 Es 0810 UnID 2 Mexico; f/out 0825
tr 1130 KAYS 7 KS Hays (190) In fulltime w/ new yagi.
1422 KTSB 27 KS Topeka (220) Moderate QSB; in all day.
- 21 GW 1025 KTVY 4 OK OKC suffering heavy CCI from KDFW-4 Dallas TX
1025 KOCO 5 OK OKC suffering moderate CCI KXAS-5 TX
Es 1718 UnID 2 Mexico; Plaza Sesamo; f/out 1730
2210 UnID 2 Canada; CBC News; CJIC?
2213 WBAV 2 WI Green Bay (760) Local news f/out 2230.
- 22 MS 0100 UnIDs 2 Many strong bursts, esp. east. NBC & CBS seen.

It is with deep regret that I announce the passing away of one of my old friends, the Sony KV-90000. The set's UHF had blown several weeks ago, and finally, last week, the whole thing went. This led to my using the Quasar B&W set until I could buy another Sony, namely the KV-1203. I'm really impressed with the new set's sensitivity and selectivity. Combined with the recently-installed low- and high-band yagis, it seems to do better than any other set I've used at pulling through the weaker tropo stations. The UHF seems especially good, as KTSB-27 Topeka is in fulltime now at 220 miles.

I think the one thing I like best about the new yagis as compared to the old VU-160 is the much-improved directivity, especially on high-band. I had some difficulties during installation, switching the leads from the two rotators. You suspect something is wrong when one rotator takes 30 seconds to rotate 5 degrees and the other is going around like a helicopter, hi. luckily, no damage was done, and the leads were routed back where they belonged.

I haven't seen much tropo since late March. Where is my warm weather tropo? At least Es is off to a good start as of this report, even if I do seem to see too much of Mexico and Florida, hi.

I've had good response to my notice concerning the 'for-sale' status of my antennas. Robert Williams is considering buying the UHF log, and Harry Hayes is buying the ch-9 yagi, in hope of giving WOB-9 a boost at his QTH. If anyone would be interested in exchanging area TV Guides or station ID/TP pix and information, let me know. Since buying the larger set, I can now get much larger screen area in the print, making details more readable. If anyone needs anything in the Winograd line of antennas and HA/CATV accessories, let me know, as I can now order direct. I may be able to get Channel Master equipment cheaper soon, too.

Well, that's pretty much it for this time. I hope everybody is having a good summer and good cxi! Top of DX to all!

[Later note of 5 June:] Since my report of two weeks ago, we've had good tropo—good strength if not spectacular distance. Houston 11,13,26,39 at nice levels on 28th mite, and Topeka 27 & Baton Rouge 33 this mite. KHNS-19 has been strong—higher power??

Bob Cooper, Jr., Rt 5 Box 782, Guthrie, Oklahoma 73044

(6 May - 4 Jun) (CUT)

May Es here was a disappointment as far as MUF was concerned; at least for those openings I caught. Es activity also seemed to be concentrating in mid-day portion without the expected bulge around late afternoon and early evening. Not a typical year so far. Tropo also down from previous years here.

May 7 tr tune-in 0405 (don't ask me why I was up then...) KPLB-11 KDNL-30 MO on, doing apparent freq. check (450 md).

May 10 Es t/in 1750, thru channel 3, 1900 WSYB-3 NY.

May 11 tr 0815 KPMJ-17 MO; Es 4/in 1950 ch 2-3.

May 12 tr t/in 0705 KEDT-16 KVUE 24 KTVV 36 TX; Es t/in ch 2-3, at 1815 moving to ch 6, 1823 KHBC-3 BGN, 1900 XHPA-2.

May 13 tr t/in 0815 KHIN-36 I A KTVV 36 KIDZ-24 KVUE 24 KNCT 46 TX; Es t/in 1248 CKCK-2 Sask.

May 15 Es t/in 0905 ch 2-3, 0930 WWAZ-3 NC, 0930-0945 ch 4, 0955 KOKA-2 PA ... open at 1300 check.

May 17 Es t/in 1830 KBCI-2 ID, t/in 2021 KLEW-3 ID.

May 18 Es t/in 1805, ch 2. [Out of town until 22nd.]

May 22 tr t/in 0955 WAPT-16 MS KLA-14 LA; Es t/in 1355, Es t/in 2145.

May 23 Es t/in 1730 ch 2 east.

May 24 Es 2102-2200 auroral-Es ch 2 in and out.

May 25 Es t/in 1126 ch 2-3 s.e., 1216 WSB-2 GA, 1300 WNEB-2 TN, 1330 WSAZ-3 WV, 1400 CKVR-3 Ont, 1429 CKPR-2 Ont; Es again 1831-1845, 2100-2115, both north and n.e.e.

May 26 Es t/in 1330 ch 2 s.w. to 1345.

May 27 Es t/in 1120 ch 2, 1155 KUTV 2 UT.

May 28 tr t/in 0817 KHNE-29 NE KPMJ-17 MO KTVV 36 KIDZ-24 KVUE 24 TX, t/in 2100

KEDT-16 KVUE 24 KIDZ 24 KTVV 36 KHTV 39 KDOG 26 KAU-15 all TX, 2235 K18AA Salina KS

KYNE-26 KHNE-29 NE KHIN-32 KHIN-36 I A KNEB-14 IA, t/in 2335 KLA-14 LA WAPT-16 MS

WHEB-33 WGNB-26 LA.

May 29 tr t/in 0130 KPLC-7 LA KSTV 7 NE KYNE-13 KHOU-11 TX, t/in 0515 WGN-4 TN

WTVV 9 WTVV 12 MS KNEB-8 LA KYNE-13 KHOU-11 TX, 0613 KJAC-4 TX (stn #654), WAPT-16 MS KLA-14 LA; Es t/in 1220 ch 2-3 thru afternoon, some Spanish.

May 31 Es t/in 1000 WTHS-2 FL, 1030 ICR-3 Cuba. ICR-3 in very stable past 1500 here, all alone mostly. Es t/in 1820 ch 3 west.

June 1 Es t/in 1850 Ch 2.

June 2 Es 2125 ch 2 to 2150.

June 3 tr t/in 0835 KPMJ-17 MO KHIN-36 I A KIDZ-24 KVUE 24 KDOG 26 KHTV 39 KNCT-46

all TX, WAPT-16 MS; Es 2002 XHPA-2.

June 4 tr t/in 0910 WAPT-16 MS KNCT-46 KTVV 36 KIDZ-24 KVUE 24 all TX; Es t/in 1105

WPMJ-2 KMTV 3 NC, MUF to ch 6 by 1140, 1155 WTHS-6 WV (stn #655) WTVR 6 VA, 1230 WSAZ-3 NC. At this point, MUF past 107.9 MHz, and reached 146.73 MHz at 1315 CDT to PA from here. 1400 WPSX-3 PA. Stayed open with 2-3 MUF through balance of afternoon until around 2100, generally southeast from here (i.e., WEDU-3 FL at 1930). 73.

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228

(7 May - 7 Jun)

(CST)

Equipment: 1976 model black-and-white 9-inch solid-state Penncrest;

Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor

7 Es 1415 unId 2,3	me 1459:15 KUSD-2 SD 920	1343 KWGN 2 CO 810
2115 unId 2 spotty	Es 1535-55 unids 2,3	1459 KSBY- 6 CA 1335
2143 KNGN 2 CO T 810	1642 unids 2	1535 f/out
2144 KOKT 2 KS 615	1729 WSB- 2 GA 880	1620 KNBC- 4 CA T1190
2154 unId 4	1747 unId 4	1659 KNCT 2 CA 1190
2157 KNOP- 2 NE 615	1805 f/out	1800 WPSB 2 FL 1150
2210 KTVQ 2 MT 1245	2115 KTVR 3 AZ T 835	1808 WTVJ 4 FL T1150
2220 XHY - 3 Yuc 820	2120 KPHO- 5 AZ T 835	1915 unids 2-4
2227 KTNB- 2 WI 1015	2150 f/out	2025 KOA - 4 CO T 810
Es 0142-6 KNCT 2 CA T1190	2310 unId 2 Mex? brief	2045 KSL - 5 UT T1080
1012 KTVK 3 AZ T 835	2345 unId 2 n.e., brief	2103 KAD 4 ID T1370
1205 KNCT 2 CA T1190	11 Es 0929 KEYT 3 CA 1270	2106: MUF to 98.7
1213 KSTV 6 BGN T1110	KHBC 4 CA T1190	2130 KUTV 2 UT 1080
2 Es 1020 KUTV 2 UT T1080	0959 KNCT 2 CA 1190	2202 KTVQ 2 MT 1245
10 Es 0930 unids 2 mix meteors	1105 KOAI 2 AZ T 855	2225 f/out
ms 0959:45 WDIQ 2 AZ 730	1135 f/out	12 tr 0027 KPLC- 7 LA 325
Es 1046 WJBC- 2 MI T1225	1210 unId 2	Es 0910 unId 2 Spanish
1055 WITI- 6 WI T1100	1240 KPHO- 5 AZ T 835	(tropin; Es MUF hard to find)
1101 WBAZ- 2 WI 1190	1259 KOKR- 3 HI 1050	Es 1035 XHP - 3 Puebla 735
1125 f/out (1102 MUF 88.7)	1301 KOAI 2 AZ 855	1105 f/out

(12)Es	1135	2, 4, 5 LA, CA	T1190	1329	WBAL- 2 WI	1190	1313	WKZO- 3MT11gbb	1140		
		XSTV 6 BGN	T1100	1334	WJMR- 3 MI	1280	1343	WISC- 3 WI	1065		
	1143:	MUF to 98.5		1355	f/out			WMT - 2 IA	945		
	1159	KORK- 3 NY	1050	1810	unids 2			WBAL- 2 WI	1190		
	1305	KSBY- 6 CA	T1335	1855	KID - 3 ID	T1215	1355:	MUF 89.3			
	1410	KUSD- 2 SD	920		KUTV 2 UT	1080	1630	unids 2-4			
	1415	KORN- 5 SD	T1055	1900	KCPK- 4 UT	T1080	1635	WBAL- 2	1190		
	1423	KDLO- 3 SD	1070	2059	KOAI 2 AZ	855	1658	WISC- 3	1065		
	1429	KMTV 3 NE	830	2200	KWGN 2 CO	810	1800	f/out			
	1430	KTWO- 2 WY	1015		KYCU 5 WY	T 875	1945-2125	2-4 unids			
	1455	f/out			4, 5 CO	T	tr 2140	XHX -10 NL	T 275		
	1535	unid 2, 3 Spanish		2002	KTWO- 2 WY	1015	2315	XET - 6 NL	T 275		
	1629	KUTV 2 UT	1080	2030	KRM A- 6 CO	T 810		XHPW- 9 Tamp	T 505		
	1632	4, 5 UT	T1080	2259	KNOP- 2 NE	815		XHAI- 8 V Gs	T 700		
	1715	XHTV 4 DF	T 690	2303	KTVS 3 CO	815		unid 5			
	1729	KTVK 3 AZ	835	20	0018 KWGN 2 CO	810	24	tr 0005 XEPB- 3 NL	275		
	1737	KORK- 3 NY	1050	tr	0021 KDFW 4 TX	250		0010 XHAI-12 NL	T 275		
	1750	KOAI 2 AZ	855		0025 unid 4			1005 unid 2			
		KPHO- 5 AZ	T 835		0030 f/out			1330-35 unid 2 west			
	1810	unid 6		0155-8	KUTV 2 UT	1080		2102 KORK- 3 NY	1050		
	1815	KNXT 2 CA	1190	0225	KUTV 2 UT	1080		2120 KNBC 4 CA	T1190		
	1855	XSTV 6 BGN	T1100	0825	KTVQ 2 MT	1245		2129 KNXT 2 CA	1190		
	2003	XHFA 2 Son	T 740	0827	XELF- 4 MT	T1365		2205 KTVU 2 CA	T1460		
	2030	apx f/out		0929	WMT - 2 IA	945		2303-10 KNKT 2 CA	T1190		
13	Es	1920 KID - 3 ID	T1215	1028	KMTV 3 NE	830	25	0310 unid 2			
14	Es	0002:40 WSB- 2 GA	880		KNOP- 2 NE	815	tr	0829 KMID- 2 TX	275		
	Es	0945-1000 2 unid		1033	unid 4			0859 KOS A- 7 TX	280		
	Es	2200-25 2-4 unids		1059	KTWO- 2 WY	1015		0929 WTHS- 2 FL	1150		
		2225 KTVU 2 CA	T1460	1228	KUTV 2 UT	1080		0935 WTVJ 4 FL	T1150		
15	Es	0915 unid 2		1510	unid 3			0955 WSKJ- 2 TN	1010		
		0930 CKPR- 2 Ont	1400	21	Es	0740 WSB - 2 GA	880	1001 KDK A- 2 PA	1280		
		0959 KTC A- 2 MN	1110		0759 WPBT 2 FL	1150		1005 WOAI- 4 WV	T1150		
		0959 KTC A- 2 MN	1250		0802 WTVJ 4 FL	T1150		1102 WLM-D 2 OH	1075		
		1015 WCCO- 4 MN	T1110		0819 WCIX 6 FL	1150		1118 WMT - 2 IA	945		
		1100 WPRV- 5 WI	T1190		0830 (ICR) 6 Cuba			1125 WWJ - 4 MI	T1225		
		1119: MUF 89.9			0840 WEDU 3 FL	985		1128 WJBR- 2 MI	1225		
		1300 KTC A- 2 MN	1250		0842: MUF 88.5			1129 WBBM- 2 IL	1045		
		1315 f/out			0859 WESH- 2 FL	1055		1145 unids 2-6			
		1940-55 2 unids			1120 WDBO- 6 FL	T1035		1243: MUF 94.1			
tr	2300	3, 6, 10 Mont NL	T 275		1200 f/out			1259 EDAL- 3 MN	1250		
		4, 9 Temp	T 505		1600	unids 2 Spanish		1315 f/out			
16	tr	0835 WRBT 33 LA	T 450		1655	2-4		1345 unids 2			
17	Es	0935-50 2 unid		tr	1810	XET - 6 NL	T 275	2105-30 2, 3 unids			
		1028 WAVE- 3 KY	T 945	Es	1835	unids 2-4 continue		2129 KTVI 2 MO	T 790		
		1029 WPMY- 2 NC	1175		2025	4, 5 DP MexT690	26	Es	0850 unid 2 tp, brief		
		1035 WUNC- 4 NC	T1210		2037: MUF 89.7			0930-1100 2 unids, sppty			
		1109: MUF 95.5			2210 f/out			1100 KDLX- 2 MD	1225		
		1229 WMT- 2 IA	945	22	Es	0940 unid 2 brief		1210 unid 2			
		1259 KTC A- 2 MN	1110			1229-1340 2 unids		1229 KOAI 2 AZ	855		
		1307 WCCO- 4 MN	T1110			1456 KNBC 4 CA	T1190	1255 KOA - 4 CO	T 810		
		1330 f/out				1459 KNXT 2 CA	1190	1258 KTCU- 5 WY	T 875		
		2347 unids 2, 3 brief				KBT 3 CA	1270	1310 KWGN 2 CO	810		
18	Es	1620-1740 2, 3 unids				1500 KTLA 5 CA	T1190	1329 KTWO- 2 WY	1015		
		1748 KTWO 2 IN	935			1537 KVVU 5 NV	T1040	1350 f/out			
		1754 WESH- 2 FL	1055			1556 KORK 3 NY	1050	1830 unids 2			
		1759 WPMY- 2 NC	1175			KOAI 2 AZ	855	2020 unids 2-4			
		1822 WGBD 2 SC	T1120			1658 WUND- 2 NC	1150	2210 KRM A- 6 CO	T 810		
		1959 KTWO- 2 WY	1015			1704 WOAI- 4 WV	T1150	2234 KWGN 2 CO	810		
		2020 KWGN 2 CO	810			1800 apx f/out		2235 KOA - 4 CO	T 810		
		KOA - 4 CO	T 810			1920 XHY - 3 Yuc	820	2248: MUF 98.7			
		2030 f/out				2115 XHTV 4 DF	T 690	2300 2, 4 UT	T1080		
		2240-45 west 2 unids				2155 f/out		2355 f/out			
19	Es	0859-0920 KPRC 2 ND1240		tr	2340	XHPW- 9 Tamp	T 505	27	Es	0020-35 unids 2 wy spotty	
		1020 unid 2 brief		23	Es	0910-1045 2-4 unids			0945	WGBD 2 SC	T1120
		1125 WLM-D 2 OH	1075			1129 KDLX- 2 MD	1225			WSAL- 3 GA	T1050
		1155 f/out				1145 KWGN 2 CO	810			1010 KDK A- 2 PA	1280
		1300 unids 2, 3				1159 KTWO- 2 WY	1015			1020 WTAL- 4 PA	T1280
		1315 WPRV- 5 WI	T1190			1312 KTWO 2 IN	935			1120 f/out	

(27) Es	2040-5 unids	2 spotty	1359 WPBT	2 FL	1150	1559 KUTV	2 UT	1080
	(1200-30 lots of ms)		1440 KCPX-	4 UT	T1080	1631 KCPX-	4 UT	T1080
28 tr	0005 KIA-5 TX	240	1459 WEDU	3 FL	985	1740 KTWO-	2 WY	1015
	0018 KCHD-11 TX	340	1544 WESH-	2 FL	1055	1755 apx f/out		
Es	0020-35 unids	2	1630 KUTV	2 UT	1080	1830 unids	2 n.e,brief	
	1232 unid	2	1636 KORK-	3 NV	1050	0835 unid	2 brief	
	1333-1345 unid	2	1728 KOAL	2 AZ	855	0935 unids	2 brief	
	1433 unid	2	1754 KTLA	5 CA	T1190	1100 unids	2,3 south	
	1459 CKPR-	2 Ont	1759 KVVU	5 NV	T1040	1202 YSR-	2 ELSA.1200	
	1528 KGLO-	3 IA	1855 KPHO-	5 AZ	T 835	1215 f/out		
	1529 KTC A-	2 MN	1859 KOAL	2 AZ	855	ms 1559 KTVI	2 T 790	
	1630 f/out		2010 XH A-	5 BCN	T1010	1721:40 WB A-	2 WI	1190
tr	1930 3,6,10 NL MexT	275	2040 KTVK	3 AZ	T 835	Es 1950 KOAL	2 AZ	T 855
	2129 KOS A-	7 TX	2120 apx f/out			KORK-	3 NV	T1050
	2120 KMHM-	9 TX	0920 unids	2,3		2000 KVVU	5 NV	T1040
	2325 KMHM-	2 TX	0929 WTHS-	2 FL	1150	KXTV	6 BCN	T1100
29 tr	0004 KTXS-12 TX	230	1002 Cuba	3		2005: MUF	94.1	
	0006 KCHD-11 TX	340	1100 KOAL-	3 MN	1250	2050 Span.	2 s.ors.s,brf	
	0039 KMGC	28 TX	1100 KDIX-	2 ND	1225	0940 CKCO-	2 Ont	1410
	0045 KLEK-13 TX	340	1126,7: 4,6 Denver	T 835		1029 WKYC-	3 OH	1250
Es	0740 unids	2-4	1129 KTWO-	2 WY	1015	1035 WWJ-	4 MI	T1225
0754 KNKT	2 CA (w/sg)	1190	1133 KNGN	2 CO	835	1238: MUF	107.3	
4,5 L.A.C.A		T1190	1150 KCPX-	4 UT	T1080	1510 KHBS-	4 Sls	T 700
KVVU	5 NV	T1040	1159 KUTV	2 UT	1080	KTVK	3 AZ	T 835
0849: MUF	107.9		1207 WMT-	2 IA	945	1525-40 FL	2-4's	T
1025 KPHO-	5 AZ	T 835	1229 WB A-	2 WI	1190	1552 XENH	6 Son	T 765
0959 KOAL	2 AZ	855	WISC-	3 WI	1065	1559 KXKT	2 CA	1190
1029 KORK-	3 NV	1050	1328 WBBM-	2 IL	1045	1606 4,5 L.A.C.A	T1190	
1055 KTVK	3 AZ	835	1345 KTC A-	2 MN	1110	1740 KVO A-	4 AZ	T 750
1212 KUTV	2 UT	1080	1455 f/out			1810 WDTV	5 WV	T1220
4,5	5 UT	T1080	1830 unid	2 n.e,brief		1945 WO A-	4 WV	T1150
1230 KID-	3 ID	T1215	1935 KTC A-	2 MN	1110	2000 apx f/out		
1359 KQTV	2 MO	750	1940 WCCO-	4 MN	T1110	2 Es 0800-15 unids	2,3	
1430 KUSD-	2 SD	920	2059 WB A-	2 WI	1190	1215 KOAL	2 AZ	T 855
1459 KTVQ	2 MT	1245	2108 WMT-	2 IA	945	1225 KORK-	3 NV	T1050
1547 WPTV	5 FL	T1150	2129 WBBM-	2 IL	1045	1229 KNEC	4 CA	T1190
1559 WPBT	2 FL	1150	2215 KDIX-	2 ND	1225	1239 KHP-	3 Pus	T 735
1638 WEDU	3 FL	T 985	2230 f/out			1312 KXTV	4 DF	690
1710 f/out			2250 north, brief			(tp over local)		
tr	1930 KPLC-	7 LA	2 Es 0829 WESH-	2 FL	1055	1320 XHGC-	5 DF	T 690
	1959 KFDW-	6 TX	0905 WS A-	3 GA	T1050	1428 unid	2 eastUS	ed
30 tr	0625 KCHD-11 TX	340	0925 unids	2-4		1442 XEW-	2 DF(tp)	690
	KLEK-13 TX	340	0929 KGLO-	3 IA	985	1332: MUF	to 106.5	
Es	1100 WPBT	2 FL	WLA-D	2 OH	1075	1530 f/out		
	1130 f/out		1000 WCIV	4 SC	T1120	1615 unid	2	
ms	1350:40 KTC A-2 MN	1110	1029 WW A-	3 NC	1250	ms 1625 KERN	3 MN	T 430
Es	1350 KNKT	2 CA	1101 WSB-	2 GA	880	Es 1630 unid	2,3 Spanish	
	1425 apx f/out		1129 WGBD	2 SC	1120	1745 unid	2 still south	
tr	2345 3,6,10 NL MexT	275	WJXT	4 FL	T1015	1815 apx f/out		
31 tr	0010 unid	9 Spanish	WTVJ	4 FL	T1150	Es 0855 unids	2,3	
Es	0930 unids	2-6	1159 KUTV	2 UT	1080	0901 WMT-	2 IA	945
	0945+ many FL	2-6 T	1237: MUF	93.9		0915,18.2,4 L.A.C.A	T1190	
	0959 WESH-	2 FL	1359 KTWO-	2 WY	1015	unid	6	
	1033: MUF	to 106.7	1354 WEDU	3 FL	T 985	1005 KNKT	2 CA	1190
	1140 Cuba	3 (in apx 3hrs)	1415,20: 2,4 CO	T 810		1035 apx f/out		
	1150 WEDU	3 FL	1434 WPBT	2 FL	1150	1450 unids	2	
	1152 Cuba	6	1502 WESH-	2 FL	1055	1503 KTC A-	2 MN (anct)	T1110
	WE A-	3 FL	1503 Cuba	3		1532 4,5 Minn.MN	T1110	
	1316,25,2, 4 SC	T1120	1529 KOAL	2 AZ	855	1716: MUF	98.9	

In spite of all this Es, the season was a bit slow in getting under way. MUF's were not getting as high as the past several Mays were. On openings out to the west I believe I've been getting a lot of weird-looking CCI from translator stations on Ch 2-4. 50-MHz evenings of Jun 4 & 6 had 2Es to WI area but TV so jammed full couldn't find any there.73. (Space ran out for remainder of Pat's 6-7-Jun DX so will include next time.)

(In spite of first-page heading, tropo did seem to be quite scarce all around, but most likely has picked up here and there by the time this is read. dps)

Best of DX to all Dennis

CENTRAL TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee, Wi.
54216

Deadline: 12th

The Summer E-Skip season is now about half over and so far it has been much below normal. The openings that there were, were short in duration and weak in intensity for the most part. Troops have been next to non-existent also. I hope next month is better.

Bob Louma: 38540 Five Mile, Livonia, Mi. 48154 EDT

5-27 Tr 0540 CHUT-5 Toronto (220)	6-8 Tr 0702 WWTW-9 Cadillac (165)
5-31 Tr 0702 WSTV-9 Staubenville (200)	0703 WICU-12 Erie (170)
0703 WCFO-9 Cincinnati (220)	0730 CICA-19 Toronto (220)
0704 WGN-9 Chicago (220)	0731 CHLT-25 " "
0705 WWTW-9 Cadillac (165)	0732 CHLT-25 40 London (120)
6-1 Es 1400 Unid-3; SW, CBS	0733 CICO-28 Kitchener (170)
6-2 Tr 2300 WCFC-38 Chicago (220)	6-9 Tr 0840 WCET-48 Cincinnati (220)
(ex-WCFB)	WHMB-40 Indianapolis (220)
6-6 Es 2030 WCBH-2 Charleston I	0842 Ft. Wayne U's (120)
WESH-2 Daytona Beach I	0844 S. Bend U's (150)
WSB-2 Atlanta I	0855 WOSU-34 Columbus (165)
6-7 Es 2130 KFDX-3 Wichita Falls (1000)	WKIX-19 Cincinnati (220)
2200 KENS-5 San Antonio (1220)	WHIZ-18 Zanesville (180)
6-8 Tr 0700 WSTV-9 Staubenville (200)	WMUL-33 Huntington (275)
0701 WGN-9 Chicago (220)	WGSP-31 Newark, O. (165)

"The F.B.T. preamp continues to amaze me, particularly at the high band; makes snow buried signals readable. Signal to noise ratio seems to be improved 4 or 5 db. On the low band, noise isn't reduced as much, but the added gain helps on weak Ms & Troops." Log total: 291

Don Ruland: 4448 68th Place, Kenosha, Wi. 53140 CDT

5-13 Tr 0600 WAKR-23 Akron (340)	5-22 Tr 0557 WKYT-27 Lexington (360)
5-15 Es 0930 WVL-4 New Orleans (890)	0600 WKIX-19 Cincinnati (300)
KPRC-2 Houston (980)	0630 WLKY-32 Louisville (330)
1000 WEDU-3 Tampa (1070)	WDRB-41 " "
WEAR-3 Pensacola (850)	5-23 Es 1700 KATC-3 Lafayette (900)
1100 KTBS-3 Shreveport (780)	1728 KJAC-4 Port Arthur (940)
1132 KENW-3 Portales (1010)	1745 KPRC-2 Houston (980)
1200 KMLD-2 Midland (1070)	1759 KHTX-3 Bryan (930)
KDBC-4 El Paso (1250)	6-2 Tr 0645 WFMJ-21 Youngstown (380)
1230 KXAS-5 Ft. Worth (850)	WYTV-33 " "
1330 KWAB-4 Big Spring (1030)	WLKY-32 Louisville (330)
1432 KAMR-4 Amarillo (900)	WLEX-18 Lexington (360)
KFDX-3 Wichita Falls (830)	0700 WJET-24 Erie (400)
5-21 Es 2302 KRTV-3 Great Falls (1180)	WSEE-35 " "
KTVQ-2 Billings (1040)	WAKR-23 Akron (340)
5-22 Tr 0500 WJW-8 Cleveland (330)	WOSU-34 Columbus (320)
WCFO-9 Cincinnati (300)	6-4 Es 1200 KATC-3 Lafayette (900)
WENS-10 Columbus (320)	KBTX-3 Bryan (930)
0530 WLWT-5 Cincinnati (300)	6-5 Tr 0635 WJET-24 Erie (400)
WKRC-12 " "	6-6 Es 1730 KENS-5 San Antonio (1090)
WLEX-18 Lexington (360)	KFDX-3 Wichita Falls (830)
Ms 0532 WCIV-4 Charleston (810)	1800 KIII-3 Corpus Christi (1160)
Tr 0540 WWS-5 Cleveland (330)	2000 KENW-3 Portales (1010)
0550 WHAS-11 Louisville (330)	KRJ-5 Ciudad Juarez I

Log Total: 410

Michael Hogan: 4811 Euclid Ave. E. Chicago, In. 46312

"Finally, it looks like I have some DX to report to the club. With the lack of Es or at least until today June 6, Tv Dxing conditions have been very, very poor. Within the last month all the South Bend U's have been visible 2 out of every 3 days but nothing on the VHF channels. Today on June 6 E-Skip was very evident on channels 2, 3 & 4. At 6:45 P.M. I was receiving tennis lessons on ch. 4. This reception did not match any of the network programs, so I thus have an unid station for all of you to work on for me. Hopefully E-Skip is here with us to stay. Good Dxing to all."

Frank Wheeler: 6589 Wattsburg Rd., Erie, Pa. 16509 EDT

5-4 Tr 2000 CICO-28 Ont. 5555(103) 5-26 Es 1312 KPRY-4 Pierre, S.D. 4422
 5-5 Es 1319 KNOP-2 Mo. 4433(1066) (satellite of KSFY-13 Sioux Falls)
 1330 KWGN-2 Co. " (1292)
 5-26 1258 KOTA-3 S.D. " (1169) 1330 KMD-3 S.D. 4422(846)
 Log total: 260 received, 210 verified 1400 KDIX-2 N.D. " (1169)

Rick Glasgow: Box 16, Ackerman, Ms. 39735

"Well, I'm one of those 'quiet' members who decided to write something. I am 18 and I have Tv-Dxed off and on for about 3 years, but, as you know, never found time to report what little I had. But now as my interest grows more and more I am about to put together a little equipment to dx from. I have acquired 2 tv sets, a Hitachi color P-04 and a b&w P-03 portable, a 7 ft. C-M parabolic for UHF and a C-M 1110 for VHF. I also plan to put on a couple of boosters. The antennas will be at 40 ft.

In the past I have received YSR, XEW, KTVQ, KTWO, CFCL as some of my better catches. I hope to start reporting regularly. (will be looking forward to receiving your reports--wd) Now with Dx & info on locals and semi-locals."

Locals received here are below:

WJTV-12 Jackson, Ms.
 WLBT-3 " "
 WAPT-16 " "
 WABG-6 Greenwood, Ms.
 WMAO-23 " "
 WMAV-18 Oxford, Ms.

WCBI-4 Columbus, Ms.
 WTOK-11 Meridian, Ms.
 WMAW-14 " "
 WTVV-9 Tupelo, Ms.
 WMAB-2 Ackerman, Ms. (a real pain in the \$14/\$5")

Semi-locals received:

WDAM-7 Hattiesburg, Ms.
 Memphis V's
 KARK-4 Little Rock, Ar.
 KATV-7 " " "
 WLOX-13 Biloxi, Ms.
 WKRG-5 Mobile, Al.
 WALA-10 " "

WAPI-13 Birmingham, Al.
 WERC-6 " "
 KNOE-8 Monroe, La.
 KTVB-10 El Dorado, Ar.
 WCFT-33 Tuscaloosa, Al.
 WNGE-2 Nashville, Tn.
 WBRZ-2 Baton Rouge, La.

Robert Zent: 1835 Fruit St., Huntington, In. 46750 EST (219)-356-1670

5-8 Tr 0758 Peoria & Springfield U's 5-22 Tr 0700 WQUC-44 Cambridge(225)
 0759 WAND-17 Decatur(210) 0705 Louisville & Lexington
 0800 WICD-15 Champwign(150) U's strong.
 5-12 Tr 0630 Springfield, Peoria, 0710 WKMR-38 Morehead(225)
 Champaign U's strong 0715 Peoria, Champaign U's
 5-15 Es 1130 KMID-2 Midland(1150) 1230 WQAD-8 Moline(275)
 KACB-3 San Angelo(1100) 2200 WQWK-13 Huntington(250)
 1200 KENW-3 Portales(1120) 5-23 Tr 1130 " "
 1230 KNME-5 Albuquerque(1250) 5-30 Gw 1615 WCFC-38 Chicago(130)
 1259 KTVY-4 Oklahoma City(780) Es 1930 Unideds chs. 2&4; SW
 1430 KCKT-2 Great Bend(760) 1958 KMID-2 Midland(1150)
 1440 KTVG-6 Dodge City(840) 6-1 Es 1530 " "
 5-19 Tr 1630 WMTV-9 Cadillac(225)

Jim Gould: R.R.#1, Kokomo, In. 46901 EST

5-15 Es 0930 Unideds on chs.2&3. 5-16 Tr 0730 Unided-18; Running tp;
 1000 WEDU-3 Tampa, Fl. # or minus offset.
 Unided-3, ABC, Towards Texas 5-25 Es 1850 KTWO-2 Casper, Wy.
 1030 KFDX-3 Wichita Falls T 1901 KUTV-2 Salt Lake City T
 1130 KACB-3 San Angelo, Tx. 5-26 Es 2155 Unided-2; Spanish,SSW
 1225 KENW-3 Portales, N.M. 2220 KMID-2 Midland T
 1230 KNME-5 Albuquerque, N.M. 5-28 Es Cuban Palm Tree tp on ch.3-@
 1232 KTEW-2 Tulsa, Ok. 1345
 1315 KAMR-4 Amarillo, Tx. 5-31 Es 0845 Cuban, tp w/"Tele Rebelde"
 1431 KCKT-2 Great Bend, Ks. and "5" in center. This
 KDAA-5 Pueblo, Co. was on ch.3.
 5-31 2030 Left for vacation in Naples
 Fl. Back on June 15.

Marvin Shults; R.R.#1, Toulon, IL 61483 CST-CDT

1-18 Es 1900 CKBQ-2 Melfort, Sask. 6-2 Tr 0729 WAKR-23 Akron, Oh.
 2030 KWGN-2 Denver, Co. 6-3 Tr 0625 WEYI-25 Saginaw, Mi.
 2100 KTVQ-2 Billings, Mt. 0629 WKY-32 Louisville, Ky.
 1-19 Es 0900 KMID-2 Midland, Tx. WEHT-25 Evansville, In.
 2-28 Tr 1230 KELO-11 Sioux Falls, S.D. 0845 chs. 12, 27, 32, 36 IEBN.
 3-19 Tr 0659 KUON-12 Lincoln, Ne. Es 1230 WPBT-2 Miami, Fl. I
 0717 KOLN-10 " " 6-6 Es 1900 KNME-5 Albuquerque, N.M.
 4-19 Tr 0630 WEYI-25 Saginaw, Mi. 1929 KACB-3 San Angelo, Tx.
 4-25 Es 1130 WGBH-2 Boston, Ma. 1930 KENW-3 Portales, N.M.
 1230 WLBZ-2 Bangor, Me. I 6-7 Es 1230 KOTA-3 Rapid City, S.D.
 5-18 Es 1914 KUTV-2 Salt Lake City, Ut. 1759 KTWO-2 Casper, Wy.
 1929 KBCI-2 Boise, Id. I 1829 KID-3 Idaho Falls, Id.
 (Brady Bunch followed by Bob Newhart) 1830 KSL-5 Salt Lake City
 5-25 Es 2200 KEFE-2 Nuevo Laredo I KID-3 Idaho Falls (Live
 5-31 Tr 1800 WCFB-38 Chicago, Il. newscast from flood disaster)
 (erp 5 megawatts) 1900 KUTV-2 Salt Lake City
 6-1 Es 1259 WLBZ-2 Bangor, Me. 1930 KTVQ-2 Billings, Mt.
 1300 CBFT-2 Montreal, P.Q. I 2159 KENW-3 Portales, N.M.
 CJBB-3 Rimouski, " " KNME-5 Albuquerque, N.M.
 1540 KMID-2 Midland, Tx.
 2259 KID-3 Idaho Falls, Id.
 2300 KUTV-2 Salt Lake City, Ut.

"It seems as though tropes have been on the low side during the spring season with few openings. During the winter I constructed a dual relay system using Magnecraft relays so that I could switch in & out of CMA-Ub depending upon which direction it was pointing at (severe overload SSE). For the low-band, I built a coaxial strip line filter and have plans to build one for the high-band.

At present, I am having rotor problems. After bringing it down, it seems to work fine but will do more investigating before putting rotor back up. I saw Morrie Goldman and Dick Tidberg at Princeton hamfest on June 6."

Paul Gaines; 15920 Puritan St., Detroit, Mi. 48224 EDT

5-9 Tr 0230 WTHR-13 In. 1123(230)
 0241 WKRC-12 Oh. 1223(235)
 0317 WRTV-6 In. 1022(230)
 5-10 Tr 0201 WMAQ-5 Il. " (225)
 0223 WRTV-6 In. " (230)
 0807 WLFI-18 In. 2541(220)
 0828 WHMB-40 In. 1522(230)
 5-11 Tr 0113 WTHR-13 In. 1523(")
 0153 WRTV-6 In. 1022(")
 0204 WCPQ-9 Oh. 1222(235)
 0245 WGN-9 Il. 1023(225)
 5-12 Tr 0158 WTRF-7 W.Va. 1022(205)
 0203 WIIC-11 Pa. " (210)
 0828 WPGH-53 Pa. " " "
 5-13 Tr 0127 WTHR-13 In. " (230)
 0202 WRTV-6 In. 1021 " "
 0245 WGN-9 Il. 1122(225)
 0250 WITI-6 Wi. 1022(245)
 0307 WISN-12 Wi. " "
 0606 WKRC-12 Oh. " (235)
 0813 WNEB-17 N.Y. 1555(215)
 2229 WSKG-46 N.Y. 1022(365)
 5-14 Tr Due to the length of this
 report(10 pages) I am de-
 leting Chicago, Milwaukee &
 Indianapolis loggings as
 they are seen every day.
 0202 CFTO-9 Ont. 1022(205)
 5-16 Tr 0227 WLWT-5 Oh. 1521(235)
 0228 WKRC-12 " 1222 " "
 0231 WCPQ-9 " 1522 " "
 Ms 0508 WGBS-2 N.Y. 1012(490)
 Tr 0621 WOAK-13 W.Va. 1534(280)
 5-16 Tr 0900 WTAP-15 W.Va. 1522(235)
 2318 WUTV-29 N.Y. 3342(215)
 2332 WNEB-17 " 1022 " "
 5-19 Tr 0217 WTRF-7 W.Va. 1022(205)
 Ms 0436 WGBS-2 N.Y. 1112(490)
 5-20 Tr 0449 WTRF-7 W.Va. 1222(205)
 0152 WIIC-11 Pa. 1522(210)
 0156 WCPQ-9 Oh. " (235)
 0206 WKRC-12 " 1122(")
 0551 CFTO-9 Ont. 1022(205)
 0842 WNEB-17 N.Y. " (215)
 0853 WPGH-53 Pa. " (210)
 5-21 Tr 0144 WKRC-12 Oh. 1021(235)
 0159 WIIC-11 Pa. " (210)
 Ms 0400 WGBS-2 N.Y. 1312(490)
 Tr 0612 CFTO-9 Ont. 1022(205)
 5-22 Tr 0241 " " 1532 " "
 0247 CBET-5 " 1122 " "
 Tr 0830 WKIX-19 Ky. 1022(240)
 0905 WCBT-48 Oh. " (235)
 0928 WKRC-12 Oh. 1322 " "
 5-23 Tr 0203 CFTO-9 Ont. 1023(205)
 0220 WIIC-11 Pa. 1022(210)
 0225 WKRC-12 Oh. " (235)
 0228 WLWT-5 Oh. " "
 0257 WCPQ-9 Oh. " "
 0309 CBET-5 Ont. " (205)
 5-24 Tr 0243 " " 1032 " "
 Ms 0340 WGBS-2 N.Y. 1012(490)
 Tr 0624 WOAK-13 W.Va. 1122(280)
 0654 CFTO-9 Ont. 1022(205)
 5-25 Tr 0205 WTRF-7 W.Va. " "
 5-26 Tr 0341 CFTO-9 Ont. " "

5-26 Ms 0437	WCBS-2 N.Y.	1112(490)	6-3 Tr 0150	WTRF-7 W.Va.	1022(205)
5-27 Tr 0154	WTRF-7 W.Va.	1022(205)	0200	CBLT-5 Ont.	" "
0211	CFTO-9 Ont.	1222(")	0212	CBLT-25 " "	" "
0259	CBLT-5 " "	1032 "	0338	CFTO-9 " "	1032 "
0822	WNED-17 N.Y.	1022(215)	6-4 Tr 0716	WTAP-15 W.Va.	" (235)
5-28 Tr 0000	" "	1132 "	0837	CICO-19 Ont.	2552(205)
0053	Unided-19; ENE(carrying			CBLT-25 " "	4553 "
	Global ads&movies)		0839	CITY-79 " "	2555 "
0123	CICO-19 Ont.	1022(205)	Es 1330	WCIX-6 Fl.	3511(1170)
0159	CFTO-9 " "	1522 "		KALB-5 La.	" (915)
0616	CBLT-25 " "	1531 "		KENS-5 Tx.	" (1220)
5-29 Tr 0222	CFTO-9 " "	1522 "	1400	KTBS-3 La.	" (905)
0242	CBLT-5 " "	1122 "		KBTX-3 Tx.	" (1070)
5-30 Tr 0213	CFTO-9 " "	1223 "	1430	KXAS-5 " "	2511(1000)
0316	WKRC-12 Oh.	1023(235)	1526	WEDU-3 Fl.	" "
0409	CBLT-5 Ont.	1022(205)	1536	KACB-3 Tx.	1511(1190)
Ms 0448	WCBS-2 N.Y.	1012(490)	1600	KATC-3 La.	2511(970)
5-31 Tr 0221	WLWT-5 Oh.	1122(235)	6-5 Tr 0250	CBLT-5 Ont.	1022(205)
0224	WCFO-9 " "	1022 "	0258	CFTO-9 " "	1222 "
0318	CBLT-5 Ont.	1032(205)	0845	WPGH-53 Pa.	1032(210)
6-1 Tr 0142	CFTO-9 Ont.	1122(")	6-6 Tr 0309	CBLT-5 Ont.	1221(205)
0146	WCFO-9 Oh.	1022(235)	0330	WKRC-12 Oh.	1022(235)
0203	WTRF-7 W.Va.	" (205)	Ms 0415	WCBS-2 N.Y.	1212(490)
0251	CBLT-5 Ont.	1522 "	Tr 0842	WTAP-15 W.Va.	1022(235)
Ms 0541	WCBS-2 N.Y.	2012(490)	0849	WNED-17 N.Y.	" (215)
Es 1325	KACB-3 Tx.	2521(1190)	0858	WUTV-29 " "	1021 "
Tr 2311	WCFC-38 Il.	1122(225)	0907	WLFI-18 In.	1522(220)
6-2 Tr 0030	WUTV-29 N.Y.	1022(215)	Es 2000	WSAV-3 Ga.	5522(725)
0145	WKBW-7 N.Y.	1521(215)	6-7 Tr 0154	WCFO-9 Oh.	1021(235)
0146	WTRF-7 W.Va.	1522(205)	0156	CFTO-9 Ont.	1122(205)
0157	CFTO-9 Ont.	2532(")	0318	CBLT-5 " "	1032 "
0248	WHEN-4 N.Y.	2032(215)	0849	WHMB-40 In.	1523(230)
Ms 0407	WCBS-2 " "	1012(490)	Es 1329	KACB-3 Tx.	4521(1190)
Tr 0801	WNED-17 " "	1032(215)	6-8 Tr 0145	WTRF-7 W.Va.	1022(205)
0826	CBLT-25 Ont.	1022(205)	0155	WCFO-9 Oh.	1522(235)
0829	CICO-19 " "	" "	0201	CFTO-9 Ont.	1521(205)
0842	WICD-15 Il.	1122(305)	Ms 0419	WCBS-2 N.Y.	1212(490)
0858	WICS-20 Il.	1022(375)	Tr 0811	WNED-17 " "	1532(215)
0901	WTVO-17 Il.	" (300)	0813	CICO-19 Ont.	1022(205)
0916	WAND-17 Il.	" (340)	0815	CBLT-25 " "	1531 "
0940	WMBD-31 Il.	" (345)	0816	CBLT-25 " "	3545(105)
0950	WRAU-19 Il.	" "		Log total:	239

William J. Draeb; Ellis St. R.R.#2, Kewanee, WI. 54216 CDT

5-17 Es 1905	WESH-2 Daytona Beach(1130)	5-25 Es 1236	KPRC-2 Houston(1118)
	WJXT-4 Jacksonville(1039)	1300	KIII-3 Corpus Christi
1910	WCBD-2 Charleston(916)		(1295)
1912	WWAY-3 Wilmington(882)		KNAC-4 Port Arthur(1080)
1930	WCIV-4 Charleston(916)	1308	KMOL-4 San Antonio(1213)
1958	WCBI-4 Columbus(770)	1330	KACB-3 San Angelo(1143)
	WMAB-2 State College(784)		KBTX-3 Bryan(1079)
	KTBS-3 Shreveport	1348	KWAB-4 Big Spring(1135)
2005	WTHS or WPHI Miami		KMID-2 Midland(1176)
5-18 Es 1912	" "	1530	WTHS-2 Miami
	WEDU-3 Tampa(1192)		WEDU-3 Tampa(1192)
1920	WTVJ-4 Miami	1544	WESH-2 Daytona Beach
5-19 Es 1410	KDFW-4 Dallas(957)	1610	WCBD-2 Charleston(916)
Tr 2150	WOSU-34 Columbus(395)		WCIV-4 " "
5-21 Es 2140	KSMD-2 Anaconda	2200	KMID-2 Midland(1176)
2312	KRTV-3 Great Falls(1159)	5-26 Es 1142	KTWO-2 Casper(947)
	KXLF-4 Butte(1219)	1225	KOTA-3 Rapid City(776)
	KTVQ-2 Billings(1032)		KDUH-4 Hay Springs(767)
2349	KID-3 Idaho Falls(1214)	1300	KUTV-2 Salt Lake City
5-23 Es 1800	KPRC-2 Houston(1118)	1305	KTVQ-2 Billings
	KJAC-4 Port Arthur	1322	KYUS-3 Miles City
	KBTX-3 Bryan	5-27 Ms 0640	WCBI-4 Columbus(770)
5-24 Tr 1645	CHFD-4 Thunder Bay(300)	5-28 Es 1540	KMID-2 Midland

Draeb; continued---			6-7 Es	1820	WDSU-6	New Orleans(1028)		
5-30 Ms	0625	WMAB-2	Baltimore(665)	1822	KRMA-6	Denver(952)		
5-31 Tr	0035	CKSO-5	Sudbury(350)		KDA-4	" "		
6-1 Es	1210	WESH-2	Daytona Beach(1130)		KWGN-2	" "		
		KIII-3	Corpus Christi(1295)		KREX-5	Grand Junction T		
		KENS-5	San Antonio(1213)	1930	KTBS-3	Shreveport(901)		
1237		WMAB-2	State College(784)		KALB-5	Alexandria(961)		
		KMDL-4	San Antonio(1213)	2000	KTAL-6	Texarkana(848)		
1300		KATC-3	Lafayette(1026)	1335	KMID-2	Midland(1176)		
Tr	2028	WCFC-38	Chicago(177)		KACB-3	San Angelo(1143)		
		(over WPNE)		0950	WCBD-2	Charleston(916)		
Es	2228	KTVX-4	Salt Lake City T		WCIV-4	" "		
		KSL-5	" "		WWAY-3	Wilmington(882)		
6-2 Tr	0525	WKHN-27	Youngstown(420)		WECH-6	" "		
		WTTV-33	" "	1445	KAVE-6	Carlsbad T		
		WENS-10	Columbus(395)		KAMR-4	Amarillo(991)		
0544		WFMJ-21	Youngstown(420)		KWAB-4	Big Spring(1135)		
		WLKY-32	Louisville(437)	1510	KTVQ-6	Ensign T		
0830		WFIY-20	Indianapolis(336)		KCKT-2	Great Bend T		
		WDSU-34	Columbus(395)	1555	WUNC-4	Chapel Hill(749)		
6-3 Tr	0447	WCNC-12	Cincinnati(400)	1630	KIII-3	Corpus Christi(1295)		
	0453	WENS-10	Columbus(395)		KRIS-6	" "		
	0455	CKCO-13	Kitchener(345)			(no dx on ch.2 at this time)		
	0505	CHLT-1-8	Manitowadge T	1634	KGBT-4	Harlingen(1400)		
6-4 Es	1100	WBRZ-2	Baton Rouge(1002)		(Leave It To Beaver)			
		WUL-4	New Orleans(1028)		KMOL-4	San Antonio(1213)		
		WDSU-6	" "		(Gunsmoke)			
		KATC-3	Lafayette(1026)		KRGV-5	Weslaco T		
		WKHG-5	Mobile(967)	1656	XEPB-3	Monterrey(1475)		
		WEAR-3	Pensacola(986)			(lasted about a minute)		
1240		WMAB-2	State College T	1900	KPRC-2	Houston(1118)		
		KALB-5	Alexandria(961)	1918	KCEN-6	Temple(1075)		
1306		KJAC-4	Port Arthur(1080)	2030	KBTX-3	Bryan(1079)		
1330		WCBI-4	Columbus(770)	2128	KENW-3	Portales(1103)		
1400		KFDH-6	Beaumont(1068)	2144	KACB-3	San Angelo(1143)		
1430		KPRC-2	Houston(1118)	2150	KDEC-4	El Paso(1350)		
		KHTX-3	Bryan(1079)	6-9 Es	KRTV-3	1825 Great Falls(1159)		
1455		WEDU-3	Tampa(1192)		1825	KOLP-4	Butte(1219)	
6-6 Es	1758	WUL-4	New Orleans(1028)		KID-3	Idaho Falls(1214)		
		KPRC-2	Houston(1118)		KTVQ-2	Billings T		
1807		KJAC-4	Port Arthur(1080)		KREM-2	Spokane T		
		KATC-3	Lafayette(1026)		KXLY-4	" "		
1818		KMID-2	Midland(1176)	2050	WCBD-2	Charleston(916)		
		KACB-3	San Angelo(1143)	2100	WJXT-4	Jacksonville(1039)		
1830		WJXT-4	Jacksonville(1039)	2104	WEDU-3	Tampa T		
1900		WESH-2	Daytona Beach(1130)	2120	WSB-2	Atlanta T		
		WDHD-6	Orlando T	2125	WESH-2	Daytona Beach(1130)		
		WRBL-3	Columbus T	2128	WTHS or WPT	Miami(1368)		
1905		WKRG-5	Mobile(967)	2138	WEAR-3	Pensacola(986)		
		WCTV-6	Thomasville(972)		WKRG-5	Mobile(967)		
1910		KENW-3	Portales(1103)		WDIQ-2	Dorier T		
		KAMR-4	Amarillo(991)		WTVY-4	Dothan T		
1930		WCBD-2	Charleston(916)	2146	CHFD-4	Thunder Bay(300)		
		WCIV-4	" "	6-10 Tr	1230	CICO-18	London(328)	
1934		WUNC-4	Chapel Hill(749)	6-12 Tr	2035	CICO-28	Kitchener(345)	
		WCSC-5	Charleston(916)		2042	WFTV-29	Buffalo(445)	
6-7 Tr	0735	Youngstown U's(420)				Cleveland U's(355)		
	0745	WILL-38	Terre Haute(348)			Youngstown U's(420)		
		WHMB-40	Indianapolis(336)			WUL-33	Huntington(498)	
0800		WPBO-42	Portsmouth(461)			2107	CHLT-25	Toronto(410)
		WDSU-34	Columbus(395)	6-15 Es	1235	KUTV-2	Salt Lake City(1264)	
		WXPX-22	Dayton(368)			KTVX-4	" "	
		WKIX-19	Cincinnati(400)	6-16 Es	1500	KATC-3	Lafayette(1026)	
		WAKR-23	Akron(380)		1610	CJCB-4	Sydney(1350)	
Es	1800	WUL-4	New Orleans(1028)			CBHT-3	Halifax(1170)	
		WBRZ-2	Baton Rouge(1002)			CKCW-2	Moncton(1117)	
		KATC-3	Lafayette(1026)			CBIT-5	Sydney(1350)	
		KJAC-4	Port Arthur(1080)		1630	WLBZ-2	Bangor(925)	

Draab; continued—
 6-16 Es 1630 WAHI-5 Bangor(925) 6-17 Tr 1808 Uxbridge-22 T
 1640 WGBH-2 Boston(830) 6-17 Tr 1812 WYTV-33 Youngstown(420)
 CJCH-5 Halifax(1170) CHLT-25 Toronto(410)
 1645 CJCH-6 Caledonia T WSEE-35 Erie(405)
 CHSJ-4 St. John(1085) 1838 WQIN-54 " "
 1722 WCEB-6 Portland T 1840 CHLT-24 London(328)
 1724 WCAI-3 Burlington T (Running test slide)
 1725 WBZ-4 Boston(830) WKYT-27 Lexington(473)
 WTEV-6 New Bedford(842) 1851 WPE-16 Watertown T
 CHSJ-6 Bon Accord T 1919 WOSU-34 Columbus(395)
 6-17 Tr 1800 Cleveland U's(355) 1926 Pittsburgh U's(480)
 WAKR-23 Akron(380) WVU-24 Morgantown(513)
 CICO-18 London(328) 2026 WHUL-33 Huntington(498)
 CICO-28 Kitchen(345) 2041 WKAS-25 Ashland(486)
 WUTV-29 Buffalo(445) WPD-42 Portsmouth(461)
 WKEN-27 Youngstown(420) 2129 WCMH-4 Columbus T
 WPMJ-21 " " WTAE-4 Pittsburgh T
 WJET-24 Erie(405) 2347 KMTC-27 Springfield(589)
 KCBJ-17 Columbia(450)
 Log Totals: 641

FM QSL CORNER

Thomas J. Yingling, Jr
 221 Pinewood Road
 Baltimore, MD 21222

Deadline: 15th

IL WSI 88.7 Edwardsville, Southern Ill Univ. 62026, coverage map with
 QSL on it, signed, Hugh C. Meeninger, CE one week (KRS)
 WSEI 92.9 Olney, Box L, 62450, card with FM circled signed Donald
 Schnell, CE WGLJM/WS-6543 one week (KRS)
 WNIU 89.5 Dekale, Northern Ill Univ. 60115, nice letter in 10 days
 Roger Brown, CE
 WMBD 93.3 Peoria, 212 SW Jefferson, 61620, Xerox fill in card for AM
 Signed Neil Burk, CE one week (KRS)
 KY WKDQ 99.5 Henderson, Box 418, 42420, Friendly letter from Scott H.
 Chase, CE W4JZ with mention of 2 m. ship (?) 10 days (KRS)
 OH WHUB 88.5 Oxford, Miami Univ., 45056, nonspecific letter in 1 week,
 from Larry D. Landsker, promo/dev mgr also send program
 schedule (KRS)
 WI WTM 98.9 Tomah, Superior Ave, 54660, 4" x 9" QSL card, some antenna
 information, sounds like a travel brochure from Douglas
 H. Reuteler, A.C.E. 2 days (NDS)
 WJMT 93.5 Merrill, 120 S. Mill St, 54452, letter from Wayne E. Smith
 Gen Man 2 days (NDS)
 WWRW 103.5 Wisconsin Rapids, 220 First Ave S. 54494, letter, with some
 transmitting info, was very appreciative of my report signed
 Fred W. Shethka, CE 3 days (NDS)
 WIAL 94.1 Elm Claire, P O Box 660, 54701, letter Lanny Roth CE (NDS)
 WCFW 105.5 Chippewa Falls, 1034 1/2 Warren St. 54729, report returned with
 veris note signed by Larry S. Seidling, Program Director
 CE, reply in 7 days (NDS)

Well, things are looking better with 2 reporters this month, with Michael
 D. Schoenfuss again & Kenneth R. Simon. Very good! One thing I ask is when
 you report, give the station address, and your receiver make if possible.
 I guess I should be getting more with the ship season now in swing again.

73's & good dx till next month...

Tom

TV QSL CORNER

PAUL D. TRASKA
64 WEAVER AVENUE
BUFFALO, NY 14206

- FL WWSB ch 35 Orlando-11510 E.colonial dr.32807.L-Robert G.Martins-DE,7 days (SW) a No 1 super catch & QSL -pdt)
- WPTV ch 5 W.PALM BEACH-p.o. box 510,33480.G & L-W.Lewis Evenden-DE,15 days (CS)
- KY WHAS ch 11 Louisville-p.o.box 1084,40201.(?) Dick Sweeney-PD,3 days, (CS) *
- LA WBRZ ch 2 Baton Rouge-1650 highland rd.70802.PG-MO SIGNER..... 4 months (CS) *
- MI WJHK ch 2 Detroit-number two storor place,48075.C,L&M-Roderick Luoma, ED. 44 days (CS)
- WKZO ch 3 Kalamazoo-W.maple st.49001.Picture PG of studio-Candis J. Glass. PAD. 14 days (CS) *
- WWTW ch 9 Cadillac-p.o.box 627,49601.(?) Lowell Shore-GE,7 days (CS)*
- WKBD ch 50 Detroit-26955 W.eleven mile rd.48075.C&L-Al Martin,DE,42 days (CS)
- MM WGOO ch 4 Minneapolis-50 south ninth st.55402.(?) Sherman E.Headley, GE, 11 days (CS) *
- KSTP ch 5 St. Paul-3415 university ave.55114.(?) Ron Majors,ED. 7 days (CS) *
- NE KNOP ch 2 North Platte-p.o.box 749,69101.L-Ross Hutcherson,GE,74 days (CS)
- NY WHEN ch 5 Syracuse-980 james st.13203.L-A.H.Chismark,DE,8 days (CS)
- WWTW ch 7 Watertown-p.o.box 211,13601.L&C.Don G.Morehouse.GE,13 days, (CS)
- WNYB ch 9 Syracuse-shoppingtown,13214.L-Charles F.Mulvey,14 days (CS)
- WHEP ch 16 Watertown-p.o.box 114,13601.L&M-James W.Edwards.GE,21 days, (CS)
- OH WTOL ch 11 Toledo-p.o.box 715,43601.C,M&S-W.E.McDaniel,GE,11 days (CS)
- WFMJ ch 21 Youngstown-101 boardman st.44503. G-Frank Dieringer. GE.. 7 days (CS)
- WAER ch 23 Akron-853 coupley rd.44320.G-Irv Knopp,GE,49 days.(CS)
- WITV ch 33 Youngstown-3800 shady sun rd.44502.L-A.W.Taylor.VP&GE. 4 days (CS)
- PA KDEA ch 2 Pittsburgh-one gateway center,15222.L&M-J.J.Ovetic,ES. 11 days (CS)
- WTAE ch 4 Pittsburgh-400 ardmore blvd.15230.L-James E.Hurley,DE.4 days (CS)
- WTAJ ch 10 Altoona-commerce park,16603.G-R.Kline.29 days (CS)
- WPHL ch 17 Philadelphia-5001 wynefield ave.19131.G-Walt Bundy.GE. 9 days (CS)
- WJHL ch 19 Johnstown-341 lincoln st.15901.4 coverage maps,L4 color slide,also a plug for the WTFDA-my letter is on display at there offices,on WTFDA stationery.Dennis J.Grandinetti.AC. 2 weeks, (PDT)
- SD KPLO ch 6 Reliance-o/o KKLO-11 Sioux Falls,57102.G-M.Artus,ES.7 days, (CS)
- CANADA
- BC CBUT ch 2 Vancouver-p.o.box 4600,V6B 4A2.C&L-R.G.McDonald xmr.servi-ces. 14 days (CS) super catch agian -pdt
- ON CBOT ch 4 Ottawa-p.o.box 3220,station C.KY 1E4.L,C&M.-Mrs. G.Ethier, PE. 26 days (CS)

CONTRIBUTOR S: Cyril Schauer, East Dubuque IL. -CS- *
Craig Simons, Toronto Ont. -CS-
Steve West, Havertown PA. -SW-

MY THANKS to this months new contributors. lets keep this trend on & on- that's it for now till next month.

73's *Paul*

FLASH: WTFDA scoops the DX world with the news that ch 59, Chatham, Ontario (referred to in Mark Lewis' CANADIAN REPORT) is on the air! VUD publisher Peter Oprisko saw CICO59-59 on the morning of June 26 with "TVO" color bars Ch 48 Chatham is co-sited with 59, so they may be on soon---keep watching!!

FM

STATISTICS

JULY 1976

Glenn Hauser, editor
WUOT, Univ. of TN
232 C & E Bldg.
Knoxville TN 37916

100 & 101 MHz FM DX RECORDS

MHz	Prop	Call	Location	Miles	DXer, Location
100.1	Es	XHERS	BCN Tijuana	1300	Glenn Hauser, Calgary Alta
	Tr	KMHL	MN Marshall	565	Glenn Hauser, Enid OK
	MH				
100.3	Au	WIVE	VA Ashland	555	Russ Brown, St Joseph MI
	Es	CFRN	Alta Edmonton	1750	Robert Seybold, Dunkirk NY
	Tr	KBRE	TX San Antonio	955	Mike Dalton, Clearwater FL
	MS	KBOX	TX Dallas	1100	Fred McCormack, Des Lacs ND
100.5	Au	KLIR	CO Denver	700	John Ebeling, Bloomington MN
	Es	WLBG	SC Laurens	1380	Fred McCormack, Des Lacs ND
	Tr	WEAI	IL Jacksonville	810	Fred McCormack, Des Lacs ND
	MS	WKEE	WV Huntington	855	Glenn Hauser, Enid OK
100.7	Au	WCMS	VA Norfolk	655	Russ Brown, St Joseph MI
	Es	WDAE	FL Tampa	1410	Bruce Elving, Adolph MN
	Tr	WTJS	TN Jackson	790	Bruce Elving, Adolph MN
	MS	WMJR	FL Fort Lauderdale	1250	Glenn Hauser, Enid OK
100.9	Au	KGBI	NE Omaha	550	Fred McCormack, Des Lacs ND
	Es	KSBT	CA Tracy	1420	Glenn Hauser, Von Ormy TX
	Tr	WRCO	WI Richland Center	660	Robert Cooper, Oklahoma City OK
	MS				
101.1	Au				
	Es	CFMI	BC New Westminster	1815	Russ Brown, St Joseph MI
	Tr	KLOL	TX Houston	980	Russ Brown, St Joseph MI
	MS	WRED	OH Youngstown	975	Glenn Hauser, Enid OK
101.3	Au	WBAY	WI Green Bay	695	Fred McCormack, Des Lacs ND
	Es	WVEC	VA Hampton	1380	Glenn Hauser, Von Ormy TX
	Tr	KMIO	TX Sinton	900	Mike Dalton, Clearwater FL
	MS	KQTY	KS Wichita	540	Glenn Hauser, Albuquerque NM
101.5	Au	KFDI	KS Wichita	505	Andy Bolin, Charleston IL
	Es	WBOP	FL Pensacola	1445	Fred McCormack, Des Lacs ND
	Tr	WLYF	FL Miami	1155	Glenn Hauser, Von Ormy TX
	MS				
101.7	Au	WBIE	GA Marietta	680	Russ Brown, St Joseph MI
	Es	KDEX	TX Sherman-Denison	1265	Fred Nordquist, N Syracuse NY
	Tr	WTGB	SC Myrtle Beach	620	Shelby Remington, New Haven CT
	MH				
101.9	Au	WILS	MI Lansing	295	Andy Bolin, Charleston IL
	Es	KQXT	TX San Antonio	1545	Fred Nordquist, N Syracuse NY
	Tr	WWL	LA New Orleans	905	Carlton Howington, Uniontown OH
	MS	KFNB	OK Oklahoma City	680	John Ebeling, Bloomington MN
	Au	KFMQ	NE Lincoln	455	Andy Bolin, Charleston IL

A space indicates no record known; any distance would qualify! Calls shown are those in use at time the record was set; many have since changed. Records stand after DXers become inactive. 73, Glenn



has nothing to do with STATISTICS, but completes this page nicely.

TV CCI

UNIDENTIFIED TV-DX

Frank Aden, Jr.
1535 NW ITHACA AVE.
BEND OR 97701

JULY 1976

I should have a complete set of TV GUIDE editions very soon. At the time of this writing I have about 50% of all the editions. More regional TV networks are in this month's TV-CCI. First the unids.

Randy Dorman, 8113 Spaulding Circle, Severn, MD 21144 (1976 unids)

Tue Jun 1 Tr ch 23 2050 EDT--Music show with David Allen Coe. Mention of a Correction institution in Marion, Ohio. A history was given of Coe's life in prison. Maybe WAKR. TV GUIDE for June 8 shows network movie, suggest you write station. TV GUIDES for other 23s not in yet (PEA).

Jim Piasl, 300 Park, Orcutt, CA 95454 (1976 unids)

Wed May 19 Es ch 2 2113 PDT--NBC, ad, break in Tonite show Utica National Bank, 5th(?) & Utica. Tent. WKTV, KTEM, KCKT. 1959 KPIX, 2048 KTEM. There is a Utica, Neb. Telephone information service might be a help on this (PEA).
ch 5 2048 PDT--Mary Hartman, Mary Hartman. TV GUIDE is negative on KOCO, KSD, KOAA, KYCU. KOCO has it at 2100 PDT. Other ch 5 schedules not in at this time.

Frank Aden, Jr., 1535 NW Ithaca Ave., Bend, OR 97701 (1976 unids)

Mon May 31 Es ch 6 1830 CDT--Mutual of Omaha's Wild Kingdom. Out of TV GUIDES on hand (KS, OK, CO) only KOTV checks. Need to know if any ch. 6 in Neb. runs it at this time.

Identification Information Below sent in by Clarke Ingram

Richard Allen:

(Aug. 1975 TV-CCI) Wed Jun 18 Es ch 4 0746 Today---probably WNBC, as the sketched logo style matches.

None of the Eastern ch. 2s reported by you in the August 1975 column are KDKA.

(Oct. 1975 TV-CCI) Sun Jul 13 Es ch 2 1331 Action Theatre---this is definitely KDMA-2. 1340 Cincinnati baseball---this is definitely WLWD-2 now WDTN-2.

Chuck & Scott Sampson:

(May 1975 TV-CCI) Thu Nov 14 MS ch 2 0535 ID slide---probably WJBK-2, but can't be positive from the sketch.

(June 1975 TV-CCI) Fri Jul 12 Tr ch 11 1145 Mothers-In-Law---most stations had network programming at this time---possibly ind. KPLR.

Ken Simon:

(Apr. TV-CCI) Tue Dec 31 MS ch 4 0601 full CB---WBBM-4 runs them in this period, if I'm not mistaken.

John Combs:

(June 1975 TV-CCI) Sat Jun 15 MS ch 2 0533 ID slide---definitely WJBK.
ch 3 0945 Jetsons---definitely not WKYC-3.
Sun Dec 22 MS ch 2 0213 movie Houdini---KDKA-2 checks.

Ken Simon sent in the list below of TV schedule publications. (From EUROPA handbook 1975)

ITV-pub. Taiwan Tel. Ent. Ltd, 10 Pate Rd. Sec. 3 Taipei TAIWAN

Telecran Avda. Sta. Maria 76, Santiago CHILE

Listener-In TV 44 Flanders St. Melbourne AUST

TV Times 630 George St., Sydney NSW AUST

TV Week 32 Walsh St. Melbourne AUST

TV Times 247 Tottenham Court Rd. London W1POAU... 13 editions covers all ITV except Channel Is.

Cyrama only Cuban paper (English weekly) that covers TV sheds by networks.

Apdo. 6260 La Habana. Named after boat used in 1954 invasion.

Regional TV Networks

Kansas Broadcasting System

CBS Television

KTVH ch. 12 Hutchinson
KTVG ch. 6 EnsignKAYS Hays ch. 7
KLEB Goodland ch. 10**KTVH**

2815 E. 37TH ST., N. • P. O. BOX 12 • WICHITA, KANSAS 67201 • KANSAS' FIRST TELEVISION STATION •

Kansas State Network, Inc.
833 North Main
P O Box 333
Wichita, Kansas 67201
(316) 265-5631
TWX 810-741-8878**KCKT-TV 2**P O Box 888
Great Bend, Kansas
67530**KARD-TV 3**P O Box 333
Wichita, Kansas
67201**KGLD-TV 11**P O Box 1076
Garden City, Kansas
67840**KOMC-TV 8**P O Box 211
Oberlin, Kansas
67749

Will ID as "KSN" at times.

Mon-Dak's
FRIENDLY
GIANT

DAKOTA GIANT NETWORK

KFYR-AM - KFYR-TV
BOX 1728
BISMARCK, N. D. 58501KFYR ch. 5 Bismark, ND
KUMV ch. 8 Williston, ND
KMOT ch. 10 Minot, ND

NBC & ABC

Aligning
to 15° V-axis
vertical**27 19 9**

WISCONSIN TV STATION

CASCADE-TV

KMA-TV 29 KEB-TV 19 KEN-TV 3

70 13 11111
Kakeland**OETA**11 13
TULSA OKLA

see you in CHICAGO!

73's until next month

*Frank***K**VCU-TV Ch. 28
STP-TV Ch. 28
TVS-TV Ch. 28**UHF**
TRANSLATOR
DX
GUIDE**Order Now and save 50¢!**

SPECIAL: For a limited time, WFDA's popular UHF TRANSLATOR DX GUIDE is on sale for 50¢ below the regular member cost! This accurate and detailed list of US UHF translators compiled by Les Prus and Richard Allen originally was priced at \$2.00; but while the supply lasts, you can obtain a copy for only \$1.50! SUPER SPECIAL: If bought with a copy of the WFDA TV STATION GUIDE, both are just \$5! Order NOW from HQ.

TV CCI AIDS

Steve West
432 Kenmore Road
Havertown, Pa. 19083

July 1976

Deadline: 10th

You can thank Frank Aden, Rick Glasgow, David Leibhold, and Steve Rich for such a nice column this month. I hope this column not only helps identify your ID but is also interesting too!

Send in any information along with logos from your local newspapers or TV Guides.

WTVU-TV 2 Terre Haute, Indiana

Sign/on: 0640
Sign/off: 0100

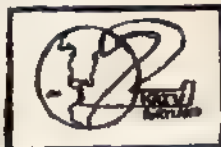
Test Pattern: Color bars IDed
with high tone before sign/on.

News Name: TV-2 Eyewitness News (6 & 10) Anchorman: Johnny Palmer



KATU-TV 2 Portland, Oregon (ABC)

Sign/on: 0630



News Name: Eyewitness News
Newsman: Dick Bogal, Pat Wilkins,
Richard Ross, Kathy Smith, Jack
Berry, Dick Carr, Fred Jenkins,
Tom Bosley.
Local Shows: AM NW
Movies: Monster Movie (Sun),
4pm Movie (Sun), Sunday Cinema,
Sinister Cinema (Sat), Album of
Weekly Classics

Used 6am-6:30am

Used at 6:30am

2

CKCO-TV 2 Warton, Ontario
Also "satellite stations" Channel 42 Sarnia, Ont. & Ch. 11 in Huntsville, Ontario Network is CTV.

Sign/on: 0600 Daily

Sign/off: 0100 except if movie
is shown

CKCO-TV 13 Kitchener

Movies: Saturday Afternoon Movie,
Sunday Afternoon Movie, Late Date.
News: Scan-1800 Daily, Ontario
Nightly News, Daily at 2320.
Newsman: Gary McLaren



WTTV-TV 4 Indianapolis, Indiana (Independent)

Sign/on: 0625

Sign/off: 0145-0300

Test Pattern: Color bars with
calls at 0600, high tone used.

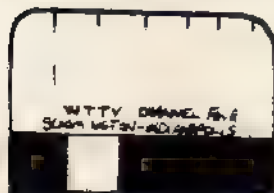
Station ID's: WTTV, Channel 4,
"WTTV, Channel 4, One of the
nations leading independent
stations."

News Name: "News 4 Indiana" at
11:30 & 9:30

Newsman: Rich Green, Kim Beech,
Chuck workman (Sports)

Miscellaneous: Many ID's are promo's
for various movies and programs.

Audio ID's never include location.

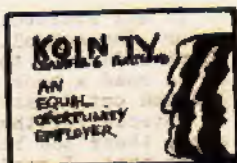


KOIN-TV 6 Portland, Oregon (CBS)

Part of Your Life

KOIN/TV6

News Name: Newsroom Six
News Casters: Mike Donahue, Brian Dries, Jim Rauh, John Walls.
Slogan: Part of Your Life
Movies: MGM Presents (Saturday),
 Movie Spectacular, The Talkies,
 All Nighters Theatre, The Movie
 Machine, Late Movie (Thursdays)
Local Shows: KOIN Kitchen



Used 6am-6:30am

Used at 6:30am

Wedge TP rarely used



WRTV-TV 6 Indianapolis, Indiana (NBC)

Sign/on: 0630 weekdays, 0700 on
 Saturday and Sunday.

Sign/off: 0100 weekdays

Test Pattern: On a half hour before 5pm and 10pm.
 sign/on with low tone.



Station ID's: "WRTV Indianapolis,
 channel 6" a lot of promo ID's
 for "Mary Hartman" and "The Mike
 Douglas Show"

News Name: "The News" at 12 noon,
 Newsmen: Howard Gladwell, Ron
 Tank, Bob McLain (W), Craig
 Roberts (Sports)

Miscellaneous: Small 6 is included
 in lower left corner on almost
 all ID's and promos.

CKNX-TV 8 Wingham, Ontario

Times are in EST or EDT when the
 daylight period prevails in Canada.

Sign/on: 0800 Daily

Sign/off: usually 0100 or longer.

Test Pattern: Full Yellowish Brown
 based color bars and there may also
 be a black and white grid. High tone.

Network and Programming: CBC

News casts: Noon Report at 1230
 weekdays, Insight at 1800 week-
 days, and Western Ontario To-
 night, 2320 nightly.

Movies: Thursday Night Movies
 at 2100 and Matinee at 1245
 weekdays.



More next month, until then, 73's

Steve

THIS IS YOUR DX

Paul Laurence Gaines
15920 Puritan St.
Detroit, Mi. 48227
* C.P. Cleaning

Trops are still in here, but the big thing was the massive opening of nite-time AM BS on 6-19 from here to SK & AT !!! Well, the weather is cool here & we got a story to do! Yes, DX stories are starting to come in. So send yours, use the above address—my name is not needed on the mail.

Our first story comes from DXer Randy Dorman—Severn, MD. Remember—these are true stories that we print here—! Only!

It all started when I was 13 years old and I had to do a book report for school. So I went to the library and found this book about radios. I thought it was about your local AM stations. For me to read a book is very hard. Well, later I began reading and I found out I was wrong about what I thought, but the book was so interesting that I finished it in 2 days. My teacher was amazed; there had been a book report done like that one was! So after that, I read many more books and got interested in SW radio, and one day my Father took me to Radio Shack, and to my surprise—he got me the Realistic DX-160! I was tickled to death! As time went by, I heard about TV-DX and that it was crazy. But I saw a lot of people do it, so I checked into it some more. I found an article on TV-DXing in a magazine and it told about a club—(WTFDA) So I joined. When they sent me the membership list I wrote to a man named Don Elevins. He wrote back with his phone number, so I called him, and asked—how could anyone possibly DX TV....? He explained it and you know it made sense—! Then one night, he called me and told me—DX was in! So I turned on the TV, and to my surprise there it was—my first catch—WTAP-29 in Philadelphia! It may not be much—but it was okay for me. I'm 14 now, and that's how I got started.

73's-----Randy

Well, how did you like it? When I was 14 I was playing baseball & chasing girls—ah yes! Also I was living in the same Philly at that age for 1 year. It's a good story, Randy! And thank you for sending it—! I hope you get your antenna problem straightened out.

Who will next? I guess you will just have wait and see! Check it out in our next issue!

"CPs"—Yes, there were some AM radio stations in Canada that had 100,000 wts of power back in the old days. And CP does not stand for City Police—(S.V. Pa.)

Well, as we say here in the streets, "ain't nothing happening, baby!" No E-skip to report today, maybe tomorrow. Let's hope! So I'll close this out. Hope to hear from all of you—so send them there stories to me—now! And things could always be worse.... (smile)!

Best of DXing-----

73s-----

Paul

NEXT MONTH in the VHF-UHF DIGEST

the official publication of
the Worldwide TV-FM DX Association

STACKING TV ANTENNAS:
A Complete Report

First in a Series on
TV SIGNAL ACCESSORIES

THE "NEW" V-U DIGEST:
Members' Comments

Pete Oprisko Updates On
THE SONY ST-5130 TUNER

publishers' notes...

WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA

(continued from page 2)

COLUMN NEWS...The editorship of WESTERN TV-DX will be transferred from Dennis Smith to Doug Everitt, effective with the September VUD. After July 10, send all reports to Doug at 1708 West Maine, Enid, OK 73701...As of this writing, no volunteers have stepped forward to assume the editorship of SOUTHERN FM-DX. As the 1976 DX season continues in full swing, it is essential that this vacancy be immediately filled. DXers in the column's report area (south of the Mason-Dixon line, east of the Mississippi) will be given first preference. Interested members should contact this writer (Clarke Ingram) at 5201 Colewood Drive, Pittsburgh PA, 15236, as soon as possible. Applications for TV Stats/Scoreboard and a new "nostalgia" column are still open...PS SPECTRUM is also up for grabs, as editor Terry Colgan has not answered our letters of inquiry. If you have an interest in, and access to, material concerning new VHF-UHF radio publications and products, and would like to edit this column, contact Clarke Ingram at the above address...Be looking for the return of ANARC REPORT in the future, co-produced by your editor and Pete Oprisko...Not appearing this month due to lack of contributions are FM GCI, FCC-TV NEWS, and INTERNATIONAL NOTES. Only you can correct that!

INSERTS...The third WTFDA MEMBER QUESTIONNAIRE is enclosed with this month's VUD. Please note that the card is postpaid and can be dropped in the nearest mailbox after completion. Additional comments can be mailed under separate cover and will be included in the survey results. Deadline for return of the questionnaires is August 1; results will be presented in the September VUD, along with a complete pictorial report of the WTFDA Convention...To avoid additional postage costs, the WTFDA REPRINT SERVICE CATALOGUE was not included with the June VUD. It is enclosed with this issue.

TV TOTALS...Since the TV Scoreboard has been dormant for months, we felt that you might be interested in the totals of top WTFDA members who have seen 400 or more TV stations, as reflected in their most recent reports. Here they are:

BOB SEYBOLD.....	701
BOB COOPER.....	655
BILL DRAEB.....	641
JIM GOULD.....	539
ROGER BROWN.....	462
DON RULAND.....	410

Prominent FM DXers' totals will soon be appearing in the new FM Scoreboard. If you haven't yet sent in your totals, editor Andy Bolin welcomes them at 709 Lincoln Avenue, Charleston, IL 61920.

FOR THE RECORD...the first four pages of last month's article by Bob Cooper were typed by John Zondlo, while the final page, which was submitted by Pete Oprisko, was retyped by Clarke Ingram...hi!

My personal thanks to Pittsburgh DXer Tim O'Malley for all of his assistance during my first six months as VUD editor-in-chief.

73, Clarke Ingram for Pete Oprisko, John Zondlo, and Mike Hogan

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WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE
 VHF-UHF DX
 ENTHUSIAST



DUES: USA and Canada, \$11 (first class); overseas, \$18.

The VHF-UHF Digest is the monthly publication of the Worldwide TV-FM DX Association. WTFDA is a non-profit organization and a member club in the Association of North American Radio Clubs (ANARC).

All persons contributing their efforts for the Worldwide TV-FM DX Association do so without monetary compensation. Dues and all other revenue cover printing, postage, and other expenses.

The WTFDA is governed by a five-man board of directors, now composed of Bruce Elving, Morrie Goldman, Dave Janowiak, Gary Olson, and Don Ruland.

VUD EDITOR: Clarke Ingram
 PUBLISHERS: Peter Oprisko
 John Zondlo

CONTROLLER: Gary Olson
 BOOKKEEPER: Bruce Elving
 PROCESSING: Dave Janowiak

S U P P L I E S and D X L I T E R A T U R E Member rates only.

REPRINT SERVICE.....	Articles from May 1972 to the present are now available. A complete catalogue can be obtained from Headquarters.	
VUD Back Issues.....	Available: Nov 1973 issue to the present. Sent by first class or special book rate.	75c each 4 for \$2.50
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